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1924

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Thorburn's

Seeds

TO YOU OUR CUSTOMERS, PAST, PRESENT and FUTURE

The hackneyed and usual procedure of describing the progress of a business of long standing is by graphic illustrations of its various domiciles. The first picture generally shows a building of most modest dimensions and is labeled as the birthplace of the firm. Its continued growth is indicated by the increasing size of the structures until the present is reached, showing a plant that appears to cover half of the area of the Empire State.

The House of Thorburn succumbed to this vanity a few years ago, persuading itself that the general public is only favorably impressed by apparent success.

In truth, the life of an enduring business is very similar to the average life of man. Each in turn has its periods of success, failure and trial. All these have been the lot of Thorburn's in its one hundred and twenty-two years of existence.

In 1918 the hand that had guided its destinies for sixty-two years was stricken by death. The loss of its President, Mr. F. W. Bruggerhof, was indeed a sad one. Under his management "Thorburn's Seeds" became famous not only nationally, but in every country in the world. Hundreds of thousands of acres of forests in Europe and America have been planted with Thorburn's Seeds, not to mention Thorburn's main line, Vegetable and Flower Seeds. There is hardly a mail route on this earth that has not borne Thorburn products to its uttermost limits. In successfully extending and developing this firm's trade, Mr. Bruggerhof proved a worthy successor to its founder, Grant Thorburn.

Not alone in enterprise and vision were his qualities displayed, but in integrity, conscientious service and absolute fair dealing; his character stands without a stain and has inspired the personnel of this company with a spirit of emulation.

Unfortunately, at his death, which coincided with one of the most trying times ever experienced by the Seed Trade, the control passed to others, who, although sincere and able men, had larger interests in other fields of endeavor.

To-day, however, the House of Thorburn again stands alone—reorganized, re-equipped and, we believe, in a better position to serve its customers than ever before.



The trade-mark adopted in 1832, although representing the firm name of that period, "Grant Thorburn & Son," could very well stand then, as it does to-day, for THORBURN'S GOOD SEEDS. This ideal of Quality will continue.

We bespeak of our Old Customers their continued patronage and thank them for their loyalty in the past.

To our New and Prospective Customers we will but say that if they believe trained knowledge, ability and ample resources, coupled with a just pride in an unblemished reputation of more than one hundred years, merit a trial, we bespeak that trial.

J. M. THORBURN & CO.

M. THORBURN

Executive Offices-

46 West Broadway

Downtown: 87 Barclay Street STORES-Uptown: 650 West 125th St.

Telephones 9823 Barclay

9783 Barclay 7231 Morningside

YORK

THIS CATALOG

should reach the majority of its readers during the lengthening days of late winter, when their minds are turning toward the coming spring with its concomitants of sunshine and garden activities.

It has always appeared to us that it was little short of a crime and an insult to the good taste of true garden lovers to edit a catalog in a flamboyant, redundant, circus-poster style.

We have, therefore, studiously refrained from exaggerated descriptions and egotistic claims.

Our descriptions of varieties are the result of painstaking observation and careful editing.

We have endeavored to make the arrangement of the matter such that it will be practically unnecessary to refer to the index and have not given undue prominence to those articles we desire to especially recommend.

In the past the Thorburn Catalog has been criticised by our competitors as being a Handbook of valuable Agricultural and Horticultural information, rather than a selling instrument. Every year, well in advance of its issue, we receive hundreds of requests from the personnel of the various Departments of Agriculture, Colleges and Agricultural Schools requesting us not to forget them in our catalog distribution.

We regret that the greatly increased cost of paper and printing has forced us to eliminate much informative matter from this issue. We have also curtailed somewhat our cultural directions, but we have them all printed separately. They are yours for the asking; some of them are literature. If you do not credit that a classic can be written on the growing of an Onion, write us and we will let you be the judge.

Our printing is clear, our type bold, our paper good, our book light in weight and heavy in good things. Draw up your chair, settle down for a pleasant evening—read on—My! it's 12 o'clock already-

These apply generally to the climate of the East and Middle Cultural Directions. States. For more northern and southern localities the necessary changes in time of sowing, etc., will readily suggest themselves.

Seeds of best quality will sometimes fail through improper treatment. Warranties. Thus, a small seed may be sown so deeply that the young plant cannot reach the surface. More failures result from disregard of the conditions necessary to germination than from inferiority of the seeds used.

We give no warranty, express or implied, as to description, quality, productiveness, or any other matter of any seeds, bulbs or plants we send out, and we will not be in any way responsible for the crop. If the purchaser does not accept the goods on these terms, they are at once to be returned.

J. M. THORBURN & CO.

READ CAREFULLY

We Deliver Free all Flower and Vegetable Seeds by the packet, ounce, 1/4 pound or pound anywhere in the United States by Parcel Post, Express or Freight at our option; also some other items as specifically mentioned in body of Catalog. All other articles are strictly net, transportation charges not included.

Goods by Mail or Express. If wanted by mail in the United States, add postage according to zone rate, as per table below, except for goods subject to free transportation, as above. In view of the greater safety, it will be found best to send parcels of 15 pounds or over by express, as packages are apt to get crushed in the mail. Seeds can be sent C.O.D. when 25 per cent. of the amount is remitted with order. Potatoes, onion sets, or other perishable articles, fertilizers or insecticides cannot be sent C.O.D.

	Parcel Post Zone Rates	WITHIN THE UNITED STATES	·1st lb.	Additional lb. or
Zone	Within		or fraction	fraction
1st	50 miles of New York City		\$0 05	\$0 01
2d	50 to 150 miles of New York City		05	01
3d	150 to 300 miles of New York City		06	02
4th	300 to 600 miles of New York City		07	04
5th	600 to 1,000 miles of New York City		08	06
6th	1,000 to 1,400 miles of New York City			08
7th	1,400 to 1,800 miles of New York City		11	10
8th	1,800 and over miles of New York City		12	12

Maximum weight, 70 pounds to 1st, 2d and 3d Zones and 50 pounds from the 4th Zone upward. Postage to Canada 12 cents per pound, or fraction thereof; maximum weight, 4 pounds 6 ounces.

Orders should be written on our order sheet or on a blank sheet separate Orders. from letter, preferably in ink, and, to receive prompt attention, should be directed to the firm and not to individuals. Orders from new customers should be accompanied by Cash, Stamps, Money Order or Check.

The prices quoted are net, and subject to change without notice, some items having a tendency to fluctuate in accordance with crop conditions, etc.

Name, Address, Etc. We beg our correspondents to give at on such a correct name and address; also to indicate very precisely the means of carriage which they prefer, mail, express or freight, and the office or railroad station which best serves their locality. In case these directions are not followed out, we shall of course choose the most advantageous and convenient mode of shipment.

PLANTING CALENDAR Middle States

FEBRUARY
Sow In hotbed
Artichoke
Early Cabbage
Early Cauliflower
Celery
Eggplant
Leek
Onion
Parsley
Pepper
Radish
Tomato
MARCH

Sow In hotbed All seeds mentioned in February table and Kohirabi Lettuce Early Beets

APRIL Sow in hotbed All seeds mentioned in February and March tables, also the following: Asparagus Cucumber

Melon Plant Outdoors Asparagus Roots Beets Early Cabbage Carrot Early Cauliflower

Celery Cress Kohlrabi Lettuce Onion Seed Onion Sets Parsley Parsnips Peas Potato Radish Rhubarb Roots Spinach Swiss Chard Salsify Turning

Set out plants of Early Cabbage
Early Lettuce
Early Cauliflower
Early Beets Onion

MAY **Plant Outdoors**

Artichoke Asparagus **Bush Beans** Lima Beans Beets Carrot Cauliflower Celery Sweet Corn Cucumber Kohlrabl Leek

Lettuce Melon Onion Parsley Peas Radish Salsify Spinach Swiss Chard Herbs Okra Pumpkin Squash Brussels Sprouts Late Cabbage Late Cauliflower Endive Rutabaga Kale Set out plants of

Early Cabbage Lettuce Early Cauliflower Eggplant Peppers Kohlrabi Onion Tomato

JUNE Plant Outdoors Bush Beans Lima Beans Beets Brussels Sprouts Late Cabbage Carrot

Late Cauliflower Sweet Corn Cucumber Endive Kale Kohirabi Lettuce Melon Okra Peas Pumpkin Radish Salsify Swiss Chard Squash

Set out plants of Celery Eggplant Peppers Tomato

Herbs

JULY Plant outdoors Beans Beets Carrot

Sweet Corn Corn Salad Cress Cucumber Endive Kale Kohlrabi Lettuce Okra Early Peas, for late

Pumpkin Radish Squash Rutabaga

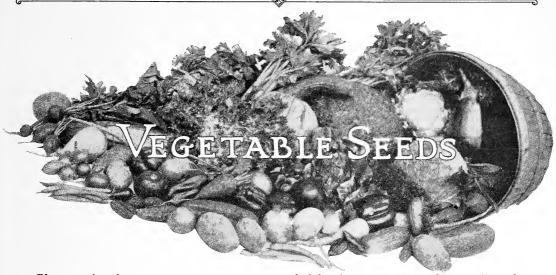
Set out plants of Celery Late Cabbage Late Cauliflower Endive Brussels Sprouts

Rutabaga AUGUST

Plant outdoors Bush Beans Corn Salad Cress Endive Lettuce Early Dwarf Peas, for late crop Radish Spinach Set out plants of

Kale Endive Rutabaga SEPTEMBER Plant outdoors

Corn Salad Lettuce, Simpson Radish Splnach



Please notice that we pay postage, express or freight charges at our option on all garden seeds ordered by the packet, ounce, quarter-pound and pound. If larger quantities are ordered to be sent by mail, add postage at zone rates. See top of page 4.

Artichaut Articiocca

ARTICHOKE

Alcachofa Karczochy

Oz. ¼1b.

> Asperges Sparagio

ASPARAGUS

Esparrago Szparagi

Asparagus from seed does not always come true to name.

Packets, 10c.



Martha Washington Asparagus

Colossal. The approved standard sort170 \$0.15 \$0.35 \$1.2 Palmetto. Of southern origin; a very desirable	25
Palmetto. Of southern origin: a very desirable	
bright green Asparagus180 .15 .35 1.0	00
Giant Argenteuil. Popular variety in France; similar to Colossal, but larger stalks210 .15 .35 1.0	00
ROOTS—Colossal. Extra selected large roots	00

ASPARAGUS, MARTHA WASHINGTON

THE NEW PEDIGREED RUSTPROOF ASPARAGUS

Originated and developed by the U. S. Department of Agriculture, who recommend its exclusive use.

Fast growing, exceedingly tender, flavor excellent, and resists the deadly "Asparagus Rust" that has killed thousands of acres of Asparagus in the United States in the last 20 years.

ROOTS	Doz.	100	1000
Extra Large, 10 to 18 inches long No. 2, Large, 7 to 10 inches long	\$0.85	\$5.00	\$40.00
	.60	3.50	30.00

Oz. ¼1b. Lb. \$0.35 \$1.25 \$4.00

BEANS

CULTURE.—About the 1st of May, if the ground is perfectly warm, select a warm, dry sheltered spot, any good soil, preferably a moist, deep loam, not over-rich in nitrogen, dig and manure very slightly; make drills 2 inches deep and 18 inches to 2 feet apart; drop the Beans 3 inches apart in the drills and cover not more than 2 inches deep. Hoe well in dry weather to keep down the weeds. Sow every two weeks up to about August 1, for a succession. Two pounds (1 quart) to 100 feet of drill; 1 to 1½ bushels (60 to 90 pounds) to the acre, in drills. For quick results, soak the seeds before planting. To avoid disease and pests, all rubbish and old plants should be burned, and the seed sown on clean ground.

DWARF GREEN-PODDED SNAP BEANS

Haricots Nains Fagiuoli

Frijoles

Fasola

Bohnen

1 lb.

2 lbs.

5 lbs.

Packets 10c each. 1/2-lb. Packets 25c. each, except where otherwise noted



Magpie Bean Refugee Late, or 1,000 to

Bountiful. One of the best green-p	od		
sorts: extra early, very prolific a	ınd		
long-bearing; long, broad, flat gre	en		
pods, tender and stringless3		\$0.55	\$1.25
Magpie. A remarkably fine Dwarf Be	ean		
for forcing or outside. By re-sele			
ing for some years, it has become			
reliable in all seasons, produci			
heavy crops of long, large, super			
pods when other varieties are da			
aged or fail. Pkt. 15c. ½ lb. 35c. 3		1.10	2.50
Sunrise. A novelty of great value,			
forcing or early garden culture. Ve			
early. Pkt. 15c3		.90	2.00
Dwarf Horticultural. Late and produ			2 00
tive; broad, flat stringless pods3		.90	2.00
Green-seeded Flageolet. Only used as	a		
"Shell Bean" when green. Bea	ins	0.5	2 2 5
tender and of fine flavor3	70 .50	.95	2.35
Marvel of Paris. Long, slender, flat poor			
Magpie Bean early; very productive; very tend			
brittle, line-grained, or excent		.95	2.35
quality4		.95	2.55
Refugee Late, or 1,000 to 1. Medium to late; very productive a	па 40 .35	.65	1.55
tender; long green, round pods of exquisite flavor4	40 .55	.05	1.55
Refugee, Thorburn Extra-Early. Has all the superior qualities of t			
famous Refugee, and is fully two weeks earlier in podding. Poround, light green, extra fine and borne profusely4		.65	1.55
Refugee, Stringless. Stringless at all stages of development4			1.85
Six Weeks, Long Yellow. Early, full, flat pods of good quality4			1.85
Stringless Green-Pod. Extra early; stringless; prolific; dark green-		.,,	1.05
round pods; decidedly curved4		.75	1.85
Stringless Green-Pod, Giant. Improved, long-podded strain of above		.,,	1.05
light green		.85	2.00
		.00	2.00
Masterpiece (Sutton's). A superior green round-podded variety; ve	ery		
prolific; long, straight, stringless pods; very early, fine forc	er.		
Our imported stock of this exceptionally fine variety has give		1.40	3.25
great satisfaction wherever tried. Pkt. 15c., ½-lb. 50c5	.80	1.40	3.23
Valentine, Extra-Early. Hardy, vigorous and upright in growth; round think action and the second transfer of the s	na, 3 20 .3 0	.55	1.35
thick, solid pods; tender; fine flavor			1.55
Valentine, Black. Resembles the Valentine, but with black seed; low			
round, solid pods; very tender and of good flavor; very early a		.55	1.35
productive5	40 .50		1.00
FIGURE DWARE REANS	77.1		

Feve de Marias

ENGLISH DWARF BEANS

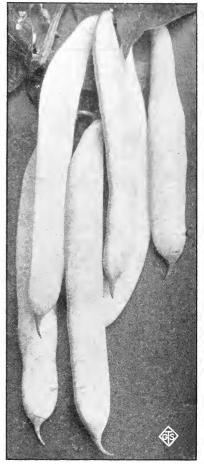
Haba

CULTURE.—Sow in drills 2 feet apart, the Beans 3 to 4 inches apart in the rows, and 2 inches deep, as early in the spring as the ground can be worked.

Packets 15c. ½-lb. Packets 35c.	1 lb.	2 lbs.	5 lbs.
Broad Windsor. Largest and best of the class; thick stem and pods650	\$0.50	\$0.95	\$2.30
Mazagan. Earliest of the class. A small-seeded variety660	.65	1.10	2.50
Sword Long-Pod. A size smaller than Windsor670	.65	1.10	2.50

DWARF WAX BEANS	Culture as on ‡	same	,
Packets 10c. ½-lb Packet	s 25c.	_	
Black Wax, Improved Prolific. Very early and prolific. The pods are	1 lb.	2 lbs.	5 lbs.
round, full, stringless and of fine quality	\$0.35	\$0.65	\$1.50
pods; early; productive; fine quality	.35	.65	1.50
waxy white, flat pods; vigorous and upright in growth, holding			
pods well up from the ground	.35	.65	1.50
flat pods; stringless; prolific, up- standing, hardy and much less liable to blight or rust than the			
old Golden Wax800 Golden-eye Wax. Hardy and prolific;	.35	.65	1.60
flat, yellow pods; early and free from rust; vigorous and productive820 Hodson Wax. Very large, brittle,	.35	.65	1.60
tender flat wax pods; very productive; late	.40	.75	1.85
Refugee Wax, Thorburn's Stringless. A perfect Refugee, with brittle, round, wax pods; for early or			
late sowing; immense yielder; late	.35	.65	1.60
pod; prolific; solid and meaty; fine quality when young; one of the earliest880	40	.75	1.85
Wardwell's Kidney Wax. Early; long, flat, purely wax pods and of	. 10	.,,	1.09
handsome appearance; string- less; of fine quality890	.35	.65	1.60

Mulfor



Improved Golden Wax Beans

DWARF LIMA AND DWARF WHITE BEANS

CULTURE.—Plant as soon as warm weather has fairly set in, or start a few under glass four weeks before setting out. Soil should be light and rich. Sow in drills 2 feet apart, the Beans about 6 inches apart, and covering about 2 inches. Two pounds to 100 feet of drill. Mulching keeps the pods from the ground.

Packets 10c. 1/2-lb. Packets 25c. except where otherwise noted Thorburn's Dwarf Lima. (The True Kumerle Strain.) The Beans are extra 1 lb. 2 lbs. 5 lbs. large, and are a pure, creamy white; very tender. 1/2-lb., 35c....1000 \$0.60 \$1.10 \$2.50 Burpee's Bush Lima. A bush form of the large, flat, Pole Lima, growing only 18 to 20 inches high. The Beans are borne very profusely.....1010 2.25 Burpee's Improved Bush Lima. Much larger and thicker pods and Beans 1020 .50 .95 2.25 Early Giant. New. Very prolific; continuous bearer; large pods; tender, .50 .95 2.35 and very prolific, erect stems, upright and branching...........1030 .50 .95 2.35 Henderson's Bush Lima, or Dwarf Sieva. Productive; Beans somewhat smaller than the others, but of fine quality; adaptable to North or South..1040 .50 .90 1.90 New Wonder Bush Lima. Early and productive; similar to Burpee's Bush .30 .55 1050 1.35 Lima. 1.90 White Kidney. Excellent either green or ripe, as a Shell Bean....1070 White Marrow. Good either as a String or Shell Bean......1080 .40 .75 1.35 .30 Red Kidney. Long, flat pods; good both green and dry; fine variety for .30 .55 1.35 White Navy. Well-known small white Bean used for "Boston Baked .30 .55 1.35

Haricots a Rames Fagiuoli Da

POLE, or RUNNING BEANS

Sgusciare Frijoles de Bejuco

JULFORD CULTURF

CULTURE.—Sow as the soil becomes warm and dry, from the first to the latter part of May for all except Limas, in hills 4 feet apart each way. Limas should not be planted until warm weather has fairly set in. Two pounds (1 quart) of Limas will plant about 100 hills, allowing four or five Beans to a hill, and of the smaller sorts about 200 hills. Plant Pole Limas eye down, 2 inches deep. Poles 8 to 10 feet long should be firmly set in the hills before planting seed. INOCULATE THIS SEED WITH

1/2-lb. Packets 25c.

111	the	11113	perore	planting	Packets	10c.
1						
10 St. 10						
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Thorburn's Challenger Lima Beans

Beans and ornamental.....

Scarlet Runner.

		(Proc.)	41 41 61 6	
	Lima, Thorburn's Chal-	1 lb.	2 lbs.	5 lbs.
	lenger. Thick and			
	productive; best of			
	all, yielding more			
	green shelled beans			
	to the bushel than			
	any other Lima. 1200	\$0.50	\$0.90	\$1.85
	Lima, Carpinteria Pole.			
	Large; thicker than			
	ordinary Pole Limas;			
	vigorous; large flat			
	Beans1204	.50	.90	1.85
	Lima, Early Jersey. Very			
	early; Beans large,			
	tender, three to			
	pod 1214	.30	.55	1.35
	Lima, King of the Gar-			
	den. Large, long-pod			
	Bean; late 1230	.30	.55	1.35
	Lima, Large White. An			
	old standard sort,			
	highly esteemed.1232	.30	.55	1.35
	Lima, Small Sieva or			
	Carolina. Early . 1250	.30	.55	1.35
	Horticultural Pole. Good			
	as a Snap or Shell			
	Bean. Popular . 1280	.30	.55	1.35
	Kentucky Wonder or			
	Old Homestead. Pods			
V	green, stringless			
Challenger Lima Beans	when young; very			
3	long and flat1310	.35	.65	1.50
The popular English Pole				
ornamental		.40	.75	1.80
				•

Betterave Barbabletola

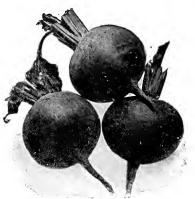
BEET

Remolacha Rühe

CULTURE.—Sow as early in the spring as the ground can be worked (1 ounce to 50 feet of drill; 5 or 6 pounds to the acre), and every two weeks after for a succession up to the first week of July. Later plantings will produce greens. For general crop, sow about the middle of May. To hasten germination, soak the seed over night. The soil should be light, sandy loam, well enriched with stable manure and plowed and harrowed until very fine. For long Beets the soil should be rich and deep, well pulverized and not recently manured. The Turnip Beet matures in 60 to 75 days; the long varieties require the whole season for their growth. Sow in drills 1 foot to 15 inches apart, and when well up thin to from 4 to 6 inches. The young Beets, with their tops, pulled out of the row, are excellent used as a spinach. For this purpose, sow frequently and use when of the size of a hickory nut.

Packets 10c.	Oz.	¼ lb.	Lb.
Bassano. Early; light color; good sort; very sweet; broad, flat1500	\$0.20	\$0.50	\$1.50
Crimson Globe. Globular shape; root clean and smooth; few leaves;			
flesh rich, deep crimson; tender and sweet	.25	.60	2.00
Detroit Dark Red Turnip. Round; skin dark blood-red; flesh bright			
red, tender	.20	.50	1.50
Dewing's Early. Of fine form and flavor; good for market1550	.20	.50	1.50
Early Blood Turnip. Dark red; fine flavor; good for winter. Round,			
half flattened, smooth clean root	.25	.60	2.00
Eclipse. Early; round; bright red. Heavy yielder1570	.20	.6 5	2.00
Edmand's Blood Turnip. A market-gardener's strain; regular in shape			
and of best quality1580	.20	.60	1.90

BEET—Continued							
	Oz.	¼ lb.	Lb.				
Egyptian. Extra early; flat; flesh dark blood color 1590 Egyptian, Crosby's. Extra early;	\$0.20	\$0.65	\$1.90				
round; dark blood color; root larger and thicker than above	.20	.50	1.50				
ground.) A good late variety for winter1620 Swiss Chard or Silver Beet, Lu-	.30	.90	2.75				
cullus. Large leaves; tender and of fine flavor; dark green; pure white ribs (see page 31)	.20	.60	2.00				
NAMERI STUDZEI							



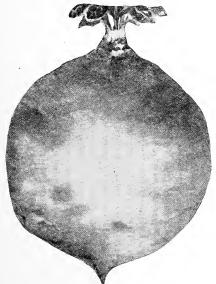
Crimson Globe Beet

MANGEL-WURZEL and SUGAR BEET CULTURE.—As all Mangels require a deep, rich soil

CULTURE.—As all Mangels require a deep, rich soil in order to grow well, plow and subsoil at least 1 foot to 18 inches and apply plenty of rich stable or our Complete Manure. Sow in May or June, in rows 18 inches to 2 feet apart, and thin to 8 to 12 inches in the rows. Sow, in addition, when the plants are 3 to 4 inches high, at the rate of 200 pounds of Complete Manure, 200 pounds of bone meal and 400 pounds of salt to the acre. As soon as frost occurs, dig the crop. In order to be well preserved for gradual consumption during the winter, the roots should be heaped to a height of perhaps 6 feet, on a dry, sloping situation; cover at first with a piece of canvas, and as the cold increases this should be replaced by about 6 inches of either salt hay, straw, seaweed or cornstalks, with a light layer of earth on top. As soon as this surface soil becomes frozen, about 6 to 8 inches more of earth should be placed over it. Sow from 5 to 8 pounds to the acre.

MANGEL-WURZEL

Packets 10c.	Oz.	¼ lb.	ТЪ
Giant Half-Sugar. White, green top; long, ovoid, red skin, white	02.	/4 10.	Lo.
flesh	\$0.20	\$0.50	\$1.50
Giant Yellow Intermediate. Very large; skin smooth; flesh white1860	.20	.50	1.50
Golden Tankard. Large; bright yellow skin; handsome, sweet and			
productive	.20	.50	1.50
Golden Yellow Globe. Productive1874	.20	.50	1.50
Mammoth Long Red Mangel-Wurzel. Very large; enormously produc-			
tive. Roots grow half or more above surface1910	.20	.50	1.50



Mangel-Wurzel

SUGAR BEET

Ounce Packets 15c.

We recommend 5 to 10 pounds to the acre.

Klein Wanzleben. Rich in sugar	¼ lb.	Lb.	5 lb.
content; also grown extensively for stock2000	\$0.30	\$0.90	\$4.00
Vilmorin Improved. Large, smooth, white, very rich			
in sugar 2010	.30	.90	4.00

Bourrache
Boragine

BORAGE

Borraja
Boretsch

The young leaves of this annual, which smell somewhat like a cucumber, are used as salad, or boiled like spinach. Should be sown to the depth of ½ to I inch, at intervals, as the leaves are palatable only when young. Sow in the spring, in light soil; transplant in shallow drills, I foot apart, when of six weeks' growth

240. Pkt. 15c., oz. 40c., 1/4 lb. \$1.50, lb. \$5.00

Broccoli Brokuly

BROCCOLI

BroculiSpargelkohl

CULTURE.—Sow early sorts as soon as the ground can be worked in the spring, in shallow drills, drawn 3 or 4 inches apart. Plant out 2 feet apart each way when the plants are about 4 inches high. same as cabbage, in rich, moist and moderately deep soil, and use the same remedies for insect attacks. The inner leaves should be tied over the head as soon as formed. The following are sorts best adapted to this climate; they are excellent and deserve much wider culture than is usual in this country. One ounce will produce about 2,000 plants.

Packets 10c. 1/4 lb. Lb. \$0.60 \$2.00 \$7.00 2.00 .60 Veitch's Self-Protecting..2130 7.00



Veitch's Self-protecting Broccoli

Chou de Bruxelles Cavolo di Brusselles

BRUSSELS SPROUTS

Berza de Bruselas Rosen Kohl

Brussels Sprouts is, without exception, the best winter vegetable that can be grown. It is as hardy as the common curled greens.

Perfection Brussels Sprouts

CULTURE.—For early crop, as soon as ground is fit sow thinly $\frac{1}{2}$ inch deep in seed bed with rows 1 foot apart. Thin to 2 inches or more apart; transplant in June so that plants stand at least I foot apart and rows 1½ feet apart; for late crop proceed as above, except that seed is planted early in June, 1 inch deep, and is transplanted about August 1. Rich loam is best. If soil is sandy, dig in compost around each plant or mulch to conserve moisture. As the Sprouts begin to grow big, break off the leaves near them. When the Sprouts are full size, cut as wanted, but not too close— sometimes other Sprouts will start in their places. With the late crop the plants may be lifted with a little earth and stored in a frame with some protection against severe weather.

Packets 10c.

D 11 1:1 Of 1 of 1 or 11 1 1 1 1 1 1	Oz.	½ lb.	Lb.
Dalkeith. Of dwarf growth, producing large, solid sprouts2190	\$0.40	\$1.40	\$5.00
Aigburth. Compact heads; prolific2195	.40	1.40	5.00
Thorburn's Improved, Dwarf. About 12 inches high; very productive; large, solid sprouts growing even from the top			
of the stem	.45	1.60	5.25
Perfection. Grows about 2 feet high; sprouts 1 to 2 inches in diameter2229	.40	1.40	5.00

CARDOON Cardoon

Cardo

CULTURE.—Sow early in spring, 1/2 to 1 inch deep, in rows 3 to 4 feet apart, where the plants are to stand, and thin them, when well up, to 2 feet apart. Soil should be moist, rich and deep. When full size, bind them together with bast or raffia, and earth up like celery to blanch. The stems of the leaves are used for salads, soups and stews. stems may be wintered in a dark cellar away from frost.

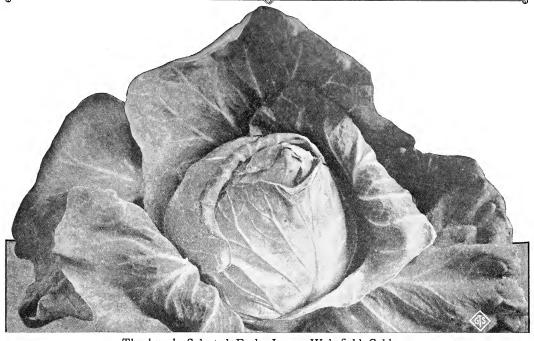
Oz. 1/4 1b. Lb. Large Solid. Smooth; grows about 4 feet high; leaves nearly free from spines. Pkt., 10c....2770 \$0.30 \$1.00 \$3.00

CHERVIL Cerfeuil Perifollo

CULTURE.—Cultivate and use the curled variety like parsley. Sow as soon as the ground can be worked, or at any time in the spring in shallow drills, I foot apart, in well prepared ground, preferably in a cool and moist situation; shady or northern aspect. Thin early to 8 or 10 inches in the row. Several cuttings can be made throughout the season. Packets 10c.

¼ 1b. Lb. Curled. Leaves used for flavoring soups and stews and for garnishing; early and ornamental. 4240 \$0.25 \$0.80 \$2.50 Plain. Leaves much divided, but not curled; fine aromatic flavor..4250 .60 2.00

Oz.



Thorburn's Selected Early Jersey Wakefield Cabbage

Chou Pommé Cavolo Cappucio

CABBAGE

Col Repollo Kopfkohl Kraut

CULTURE.—Soil for Cabbage should be rich and heavy loam, with good drainage. On such a soil, with an abundance of stable or our Complete Manure, excellent crops are sure to be grown. For early spring, sow in fall, not too early, for the plants are liable to bolt in the spring instead of heading. In a month the plants will be fit to transplant to cold-frames, where they are wintered, taking care in planting to set the young plants down to the first leaves. Transplant in spring as soon as the ground can be worked, setting the plants 2 feet apart one way and from 12 to 18 inches the other, according to the variety.

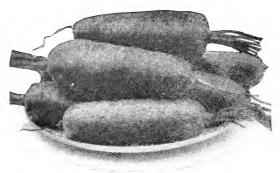
Packets 20c.	Oz.	¼ 1b.	Lb.
Copenhagen Market. The finest large, round-headed, early Cabbage.	02.	• •	20.
Very solid; of fine quality; short-stemmed2390	\$0.5 0	\$1.75	\$4.50
Allhead. Very early; very solid; large, smooth, regular heads2394	.40	1.50	4.00
All Seasons. Intermediate; heads hard, round, flattened on top 2395	.40	1.25	4.00
Early Jersey Wakefield, Thorburn's Selected Stock. Undoubtedly the			
finest strain of this most popular, well-known early Cabbage in			
cultivation. The heads are extremely solid, pyramidal in shape and	70	2.00	7 00
of most excellent quality, with very little outside foliage2460	.70	2.00	7.00
Charleston Wakefield. Large strain of the above; tender; pointed	.60	2.00	7.00
head	.60	2.00	6.50
Enkhuizen Glory. Large, early, white, solid, ball-shaped heads. 2470	.60	2.00	6.50
Early Flat Dutch, Stein's. For forcing or for general crop2475	.00	2.00	0.50
Early Winnigstadt. A standard second-early variety; hard, pointed	.50	1.85	6.00
heads	.50	1.05	0.00
quality2490	.50	1.85	6.00
Succession Improved. Excellent second-early sort; large, solid heads			
2520	.50	1.85	6.00
Large Late Drumhead. Large-sized variety; many leaves; dark green,			
waving at the edges; compact; rounded; very late; good keeper			
2530	.90	3.25	8.00
Large Late Flat Dutch. One of the best known winter cabbages2540	.40	1.50	4.50
Premium Late Flat Dutch. A standard variety of the popular late			
flat Dutch	.40	1.50	4.50
Thorburn's Market-Gardeners' Private Stock Flat Dutch. Fine strain			
of the immense Winter Cabbage grown on Long Island for market.			
Of fine flavor	.50	1.85	5.00

CABBAGE—Continued	Oz.	¼ lb.	Lb.
Surehead, Flat Dutch Type. Heads large, round, flattened at the top; few outer leaves; very firm; excellent shipper and desirable keep-			
ing variety; late	\$0.40	\$1.50	\$4.50
largely grown in Denmark for the London market2580	.50	1.75	5.50
Red Negro Head. Fine deep dark red	.50	1.75	5.50
Savoy, Early Ulm. Medium size, round, deep green heads; very early .2640 Chinese (Pe-Tsai). Commonly known in the markets as Celery Cab-	.50	1.75	6.00
bage; blanches white; used in salads or cooked	.40 .40	1.50 1.50	5.25 5.2 5
Wong-bok. Chillese Celety Cabbage with a deficate cabbage havor. 2010			

Carotte Carota

CARROT

Zanahoria Carotten Mohren



Early Scarlet Horn Carrot

CULTURE.—Sow No. 2890 as early as the ground can be worked; or, for late crop, until the latter part of July, or early in August for a winter crop. This is the finest and most tender for table use. For main crop, sow other sorts from middle of May to the first of July. The soil must not be allowed to bake over the seeds, as they germinate slowly. The seedlings are delicate and require careful cultivation until the tops cover the ground. Thin out early crop to 5 inches in the row; main crop, 6 to 7 inches; the rows 10 inches apart for early crop, 14 inches for main crop. Hoe often and deeply between the rows. Sow at the rate of 2 to 3 pounds to the acre; 1 ounce to 100 feet of drill.

Packets, 10c.	Oz.	¼ lb.	Lb.
Parisian Forcing. Early; tender and sweet; fine for early and late crops, also for frames; short, broad, smooth2890	\$0.35		\$3.75
Oxheart Half-Short (Guerande). Very thick and short; large, but	.25	.80	2.50
tender	.25	.80	2.50
kitchen variety			
lar sorts	.25	.80	2.50
shoulder 2990	.25	.80	2.50
Danvers Half-Long. Large; productive; orange color3020	.15	.45	1.50
Long Orange. Best for stock-feeding; green top; keeps well3040	.15	.45	1.50
Chicoree Sauvage Cicoria Selvatica CHICORY Achicon Cichori	ria en Wurz	el	
Packets, 10c.	Oz.	¼ 1b.	Lb.
Common or Wild. Used in "Barbe de Capucin," a salad much made in France. Sown in June. The roots are transplanted in autumn into sand in a cellar. Always keep the roots well covered. The		,,	
young shoots form the "Barbe de Capucin"		\$1.25 1.25	\$4.00 4.00
deep in May and June, in drills 15 inches to 2 feet apart, in good garden soil; I ounce to 100 feet. Transplant or thin to 6 inches; treat as endive, except that in late summer or fall it should be gradually banked up like celery. The stalks, when			
blanched, make a delicious salad	.40 17.	1.25	4.50

COLLARDS

CULTURE.—Sow in a rich, moist soil, as for cabbage, in June, July and August for succession. Transplant when a month old in rows a foot apart each way and hoe often.

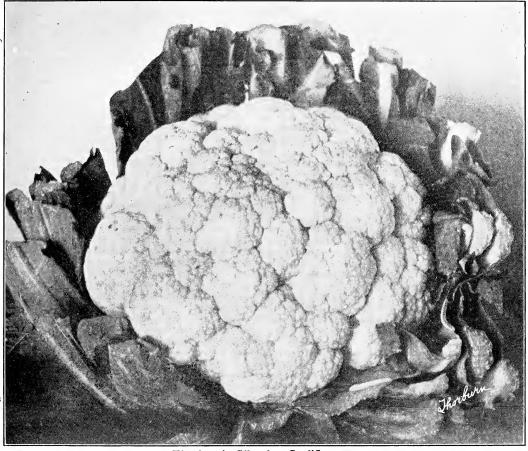
Georgia. Best for warm weather......Pkt., 10c..4380 \$0.20 \$0.50 \$1.55

Chou-Fleur Cavoloflore

CAULIFLOWER

Coliflor Blumenkohl

CULTURE.—The same as for cabbage, except that extra manure and plenty of water will pay upon Cauliflower. If the soil be dry, water frequently, and, if the plants have a heavy mulch of hay or straw, it will keep the soil moist, and they will not suffer from drought. Cauliflower can be grown for an early crop by starting the seed under glass late in February or very early in March. Prick out the seedlings once. Keep them stocky, but do not stunt. Harden off to set out when the soil is in best condition in April. The late kinds may be planted out the same time as cabbage. It is also possible to get a late crop by sowing the early varieties in seed-bed early in June, transplanting when about 5 inches high, giving the plants liquid manure or nitrate of soda.

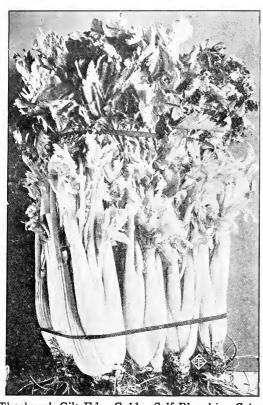


Thorburn's Gilt-edge Cauliflower				
	Pkt.	¼ oz.	Oz. *	¼ Lb.
Thorburn's Extra-early Dwarf Erfurt. The best and earliest				
for forcing; very dwarf and compact; with short stem				
and small leaves. The curd is very tender and exceedingly fine flavored. Should not be confounded with en-				
tirely different sorts advertised2250	\$0.25	\$1.50	\$4.00	\$14.00
Thorburn's Gilt-edge. Large, heavy sort; maturing immedi-	40.25	Ψ	Ψσ	4
ately after our Large Snowball. Best of all2270	.25	1.60	4.50	16.00
Thorburn's Large Early Snowball. A large strain of finest				
quality2290	.20	1.25	4.00	14.00
Extra-early Paris. Heads medium size; first class2310	.25	1.50	4.00	14.00
Lenormand Short-stem. Has very large heads; white and	25	1.50	4.00	14.00
firm	.25 .25	1.50 1:50	4.00 4.00	14.00 14.00
Algiers, Large Early. Large white heads2330 Early London. Large and hardy; hard, firm head2350	.25	1.50	4.00	14.00
Autumn Giant. Vigorous in growth; very large; late2360	.20	.40	1.00	3.50
Addumit Glanc. Vigorous in growth, very large, late2000	.20			2.50

Celeri Sedano

CELERY

Apios Sellerie



Thorburn's Gilt-Edge Golden Self-Blanching Celer

Giant Prague. Very large roots, for soups and stews; when cooked

Apple. Has small foliage and small, smoothish roots; for soups...3420

CULTURE.—Sow the seed in a light, rich, dry border as early as the ground can be worked, in drills 8 to 10 inches apart, and cover the seeds about 1/4 inch deep, rolling or treading them in if the ground be dry. One ounce will be sufficient for 2500 to 3000 plants. When fairly out of the seedleaf, they may be transplanted to another bed, or they may be thinned out to 6 or 8 inches apart, and let grow until wanted to plant out in beds or trenches. The beds should be kept well weeded, and an occasional soaking with water in dry weather will do the plants good. Early in July in the North, and five or six weeks later in the Southern states, is the proper time to set the plants out in beds or trenches. Cutting the tops keeps them back. Cut off tap-root when first transplanted, and press the soil firmly against the roots.

Packets,	10c.
	Oz.

¼ lb.

Lb.

Plume white age r little to b early sively marke	d White Naturally or light foli- requires but banking up lanch; very and exten- grown for t3210	\$0.55	\$2.00	\$7.00
ing,	Self-Blanch- Thorburn's dge. Our			
finest	strain.3230	1.00	3.50	11.50
Easy Blanching. Early; blanches quickly; vigorous grow long time. Good for home or market Boston Market. The best for winter use; a good keeper Perfection Heartwell. One of the finest winter varieties	3233	2.00	7.00 2.00	22.00 7.00
family or market-garden. The heart is golden yellow		.50	1.90	7.00
Giant Pascal. An easily blanched and fine-keeping, large, la Giant Golden Heart. Very large; solid and fine-flavore	te sort . 3300	.50	1.90	7.00
grower		.50	1.90	7.00
New Rose. Fine flavor; handsome variety	3350	.50	1.90	7.00
Pink Plume. Tinged with red; attractive, rich flavor; long		.50	1.90	7.00
Winter Queen. Very large, solid, green winter sort; blanch		.60	2.00	7.00
CELERIAC (Turnip Roote	d Celery)			

CORN SALAD (Fetticus)

CULTURE.-Sow during August or early September, in drills 1/4 inch deep and 6 inches apart, for spring use. The leaves should be picked when half as large as lettuce. A second crop may be picked from the same plant.

1/4 lb. Lb. Large-seeded, Broadleaved.....4430 \$0.10 0.20 0.60 2.00

CRESS

Oz.

\$0.35

.35

1/4 lb.

\$1.25

1.25

Lb.

\$3.75

3.75

CULTURE.—Sow in spring, every two or three weeks. Begin to sow again from the middle to the end of August every week or two for fall succession.

	l, or		Oz.	⅓ lb.	Lb.
	ss. Pkt	4520	\$0.20	\$0.50	\$1.50
True Pkt.	Water 15c		.55	1.90	6.50

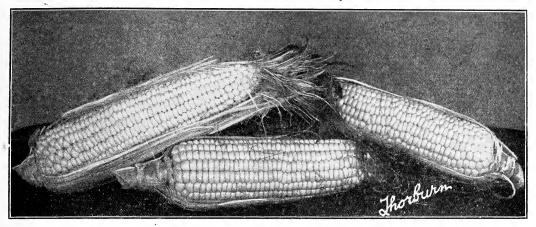
Packets, 10c.

CORN, SWEET or SUGAR

Mais

Maiz

Kukurydza



CULTURE.—As soon as danger from frost is past, plant in hills 3 feet apart each way, and five or six kernels in a hill. The hills should be prepared before planting by digging in a shovelful of compost and a double handful of high-grade fertilizer. In spring plant 1 inch deep; later plantings 1½ to 2 inches deep. Thin out to three plants in the hill, or, if in rows, to 12 inches apart. Two pounds will plant 150 to 200 hills. Hoe often and draw soil up to stem; break off side shoots. Corn requires a warm, rich soil and a sunny exposure. Plant for succession every two weeks until middle of July. If sown thinly in drills, a greater yield from a given surface will be obtained.

Packets, 10c. 1/2 lb. Packets, 30c.

72 000 000			
EXTRA-EARLY	Lb.	5 lbs.	15 lbs.
Thorburn's Nordheim Extra-Early. Earliest and finest of all. The stalks grow 6 to 7 feet high, each bearing three or four nearly perfect	Do.	5 155.	13 100.
ears of excellent quality. 7 inches long, 5 inches circumference; 8 to 10 rows; of large kernels, white and very sweet3700 Early Mayflower. Extra early; large ears; sweet and tender. 6½ to 7	\$0.50	\$2.25	\$6.00
inches long; $5\frac{1}{2}$ to 6 inches circumference; 8 to 12 rows of medium large kernels; white	.35	1.50	4.25
Early Red-Cob Cory. A very early variety with good-sized ears. Very			
sweet, tender and of fine flavor	.35	1.50	4.25
Golden Bantam. Extra early; yellow; very sweet and tender3760 Golden Giant (De Luxe). Large ears; fine quality; small cob3730	.40 .55	1.75 2.75	5.00 7.00
Mammoth White Cory. Ears double the size of the old Cory and bet-	.55	2.75	7.00
ter in flavor; 12 rows of kernels	.40	1.75	5.00
Minnesota. Nearly as early as Cory, but with larger ears; white3790	.40	1.85	5.25
Kendel's Giant. Very early for so large-eared a variety; sweet3840	.40	1.85	5.25
Premo, Extra-Early. Very sweet; ears large; extremely early3810	.40	1.75	5.00
Seymour's Sweet Orange. A vigorous grower, attaining a height of 6 to 7 feet, and producing two good-sized ears to a stalk3764	.55	2.50	6.00
60-Day Makegood. This is one of the most valuable introductions of recent years. It produces good-sized ears with deep, white kernels, sweet, tender and of fine flavor	.40	1.75	5.00
White Cory. Resembles the ordinary Cory, but with white cob. 3720	.35	1.50	4.25
	. , , ,	1.50	7.47
SECOND-EARLY			
Thorburn's Early White Perfection. A valuable second-early sort, producing good-sized ears. The cob is small and the grain is almost white. It is a heavy yielder, very sweet and an almost			
perfect type, without flint or glaze3900	.40	1.75	5.00
Early Mammoth. Large ears; fine quality; not very late3930	.40	1.85	5.25
Crosby. Matures after Minnesota; fair-sized ears of good quality3940	.30	1.35	3.75
Howling Mob. An early Corn of large size; white and sweet3944	.45	2.00	5.50
Long Island Beauty. Large, valuable market sort. 9½ inches long; 7 inches circumference; 16 rows of large kernels3945	.40	1.75	5.00
Potter Excelsior, or Squantum. Good-sized ears of fine quality; white	.40	1.85	5.25

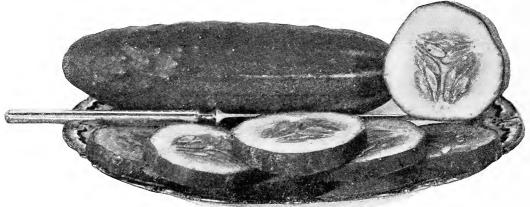
CORN, SWEET or SUGAR—Continued	Į.		
GENERAL CROP Hickox Improved. Handsome ears; very white and of rich flavor. 9½	Lb.	5 lbs.	15 lbs.
inches long; 6½ inches circumference; 12 to 15 rows of large kernels	\$0.40	\$1.75	\$5.00
7½ inches circumference; 8 to 12 rows of medium large kernels. Hardy; keeps well; grains long and slender, free from glaze4040 Golden Evergreen. Very sweet, round grains; beautiful variety of fine	.35	1.50	4.25
quality4050	.55	2.50	6.00
LATE VARIETIES			
Black Mexican. Very sweet, of superior flavor; grains bluish black. 4100 Late Mammoth. Rank in growth; large ears, rich and sweet4120 Country Gentleman. Introduced by us in 1888. Ears 8 inches long; 6 inches circumference; grains irregular, not in rows. Small cob,	.40 .40	1.75 1.75	4.25 4.25
and very long, white, slender deep grains4140	.40	1.75	4.25
Catalan	_		

Cetriolo Concombre

CUCUMBER

Pepino Gurken

CULTURE.—For very early, sow in hotbeds upon pieces of sod, or in small pots. They can be readily transplanted with care, gaining about six weeks over those sown in the open ground. Plant out in rich soil when danger of frost is over, or protect by hand-glasses, or by paper held down at the corners with a handful of earth. For general crop, sow in the open ground as soon as the weather is settled and warm, and every two weeks for a succession. Sow the seed about 3/4 inch in depth. One ounce will do for 60 to 70 hills. Thin, leaving four or five of the strongest seedlings in a hill. For pickles, sow from middle of June to first week in July. Plant in hills 4 feet apart. For mildew and wilting, spray with Bordeaux. For beetles and other insect pests, spray with tobacco water and whale-oil soap, reaching the underside of the foliage, or dust with tobacco dust.



Thorburn's Special White Spine Cucumber Packets, 10c.

Tuckets, Tot.	Oz.	¼ lb.	Lb.
Thorburn's Everbearing. Small-sized; very early and enormously productive; valuable as a green pickler		\$0.85	\$3.00
variety4730	.20	60	2.00
Cool and Crisp. Extra early and very prolific; long, straight, slender and very dark green; good either for pickling or slicing; long	.20		2.00
cropper4830	.25	.80	2.25
Cornichon de Paris. Very productive, vigorous; mostly cultivated for its small fruits, which are fine for pickling. Fruit is oblong in shape and gathered soon after the plant flowers, when about as			
thick as the finger4740	.20	.60	2.00
Davis Perfect. Fine for forcing or for outdoors. The fruit is long and straight, and being a comparatively shy seeder, is very valuable			
for slicing	.20	.60	2.00

CI	ICI	IMI	RFR	Con	tinued
-		J 1411	JL:17		

Packets, 10c.	Oz.	¼ lb.	Lb.
Early Green Cluster. Fruit small and in clusters; very prolific4780	\$0.20	\$0.60	\$2.00
Early Short Green. Good for pickling; productive4840	.20	.55	1.90
Giant Pera. Very long; one of the best for table use; smooth, thin			
skin	.20	.60	2.00
Green Prolific Pickling. One of the best for pickling; dark green 4940	.20	.55	1.60
Jersey Pickling, Half Long. Very productive; fruit long, tapering and			
slender	.25	.80	2.25
	20	60	2.00
White Spine, THORBURN'S SPECIAL. The best variety for forcing or	.20	.60	2.00
outdoor culture. Splendid for both home garden and market. Very			
prolific. See illustration on page 164930	.25	.75	2.25
White Spine, Extra-Early. Vigorous grower, for pickles or cutting. 4864	.20	.50	1.60
White Spine, Improved. A handsome and uniform early variety. 4870	.15	.50	1.50
White Spine, Arlington. Fine either for forcing or for outdoors4880	.20	.50	1.60
White Spine, Thorburn's Noroton Selected. Our well-known Improved			
White Spine. Earlier, more perfect in shape and more prolific; best			
slicing variety	.20	.60	2.00
White Spine, Extra-Long, or Evergreen. A beautiful large and well-shaped	•		2 00
Cucumber	.20	.60	2.00
White Spine, Long Green	.20	.60	2.00
Gherkin. Very small burr; used for pickles4980	.25	.75	2.25
ENGLISH CHCHMPEDS FOR EDAME	C		

ENGLISH CUCUMBERS FOR FRAMES

Improved Telegraph. Our highly selected stock is the finest available of this popular \$0.25 variety. Unquestionably one of the best for forcing, and a great cropper....5130

> Dente Di Leone Pissenlit

DANDELION

AmargonLowenzahn

CULTURE.—Sow in early spring in drills $\frac{1}{2}$ inch deep and 18 inches apart; thin out the plants to 12 inches. Keep clear of weeds during the summer and the ensuing summer the leaves will be fit to cut. Pkt. Oz. 1/4 lb.

Common Cultivated......4620 \$0.10

Petrongians

Aubergine

EGGPLANT

Eiero fianze Berengena

\$1.50

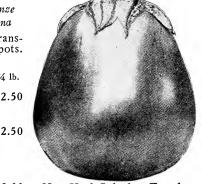
1/4 lb.

\$0.45

CULTURE.—Sow in hotbeds very early in spring and transplant when 2 inches high into a second bed or into small pots. If this is not done, thin to 4 inches apart.

Packets, 10c. Oz. Improved New York Spineless. Oval; deep purple; early and productive......5310 \$0.70 \$2.50 Black Beauty. As large as the New York Im-.70

Florida High Bush. Purple, though not so deep as the New York Spineless, which it resembles in shape. Productive, vigorous and can stand more cold than that variety. 5340



Pkt.

2.00 New York Spineless Eggplant .60

Endivia Chicoree

ENDIVE

Endivien Escarola o Endivia

CULTURE.—Sow in June, July or August, in good, rich garden soil; cover lightly; when up, thin out to 8 or 10 inches apart and water well. When the leaves are 6 to 8 inches long, blanch by tying together near the top. (They must be quite dry, or they will rot.)

Oz.	¼ lb.	Lb.
\$0.20	\$0.60	\$2.00
.20	.60	2.00
.20	.60	2.00
.20	.60	2.00
.20	.60	2.00
	\$0.20 .20 .20 .20	\$0.20 \$0.60 .20 .60 .20 .60 .20 .60

See, also, Witloof (French Endive), under Chicory, page 12,

Cavolo Verde Chou Vert Frise

KALE or BORECOLE

Breton Berza Blatterkohl

CULTURE.—Cultivated and grown exactly like cabbage. Sow No. 5600 in August and September for early greens, in rows 2 feet apart, and thin to 18 inches or 2 feet in the rows. Sow seed $\frac{1}{2}$ to 1 inch deep. One ounce will do for a 100-foot row. In very cold situations a light mulch may be required in winter.

Packets, 10c.	Oz.	¼ lb.	Lb.
Curled Dwarf Green. Very dwarf and spreading; best strain; largely			
grown in the South, being sown in August and September5600	\$0.25	\$0.75	\$2.50
Curled Tall Green Scotch. A taller growth of No. 56005610	.20	.60	2.00
Curled Siberian Thorburn's Improved. Green curled; hardy5636	.20	.60	2.00

Cayolo Rapa Chou-Rave

KOHLRABI

Colinabo Knollkohl

CULTURE.—Sow in spring, about 1 inch deep, in rows 18 inches apart, afterward thinning the plants to 8 to 10 inches. If the weather is suitable, the thinnings may be planted, but it is considered difficult to transplant. Soil should be same as for cabbage; a rich loam. Do not let the earth get into the heart of the plants and do not cover the thick stem or knob. One ounce will give about 1,500 plants, enough for 300 feet of drill. For early plants, seeds may be sown under glass in March. Tenderest while young. Sow in succession. Keep the weeds down, and when the thickened stems above ground are 2 or 3 inches through they are fit to eat, and should be used at once, being tough

when old. Cook same as turnips.

		11	
			A
		0	
Manustra v			
			S.

Thorburn's Best Large Flag Leek

Packets 10	C Oz.	¾ 1b.	Lb.
Early White Vienna. Handsome; very delicate in flavor5800	\$0.25	\$0.75	\$2.50
Early White Vienna, for frames. Fine every way. Good for market gardeners5810	.40	1.25	4.00
Extra-Large White Goliath. Late; forms a large ball; productive	.25	.75	2.50

Poireau Porro	LEEK	Puerro Porree
2 0		2 01100

CULTURE.—Sow very early in spring, in drills 6 inches apart and 1 inch deep; one ounce to 100 feet of drill. Thin out to 1 inch. When about 7 inches high, transplant in rows 12 inches apart, as deep as possible, but do not cover the young center leaves. Water thoroughly if dry when planted out. Draw earth up to them as they grow; deep, rich soil is required. Dress twice, and freely, ten days apart, with nitrate of soda or liquid manure. If they need water, give it to the roots through a pipe thrust down among the stems—taking care not to wet the leaves. Take up and store in earth in a cool cellar before winter weather. The seeds may also be sown in September and wintered under frames, and the young plants transplanted in spring.

Packets 10	C 02	¼ lb.	Lb.
THORBURN'S BEST LARGE	02.	74 10.	Do.
FLAG. Hardy and productive5910	\$0.20	\$0.60	\$2.00
Musselburgh. Similar to above. 5950	.20	.60	2.00

COURTESY

We believe our customers will find a new spirit pervading in both of the Thorburn Stores

87 Barclay St. (Downtown)

650 West 125th St. (Uptown)

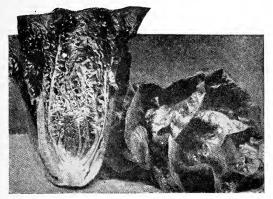
Any complaints or suggestions for improving our service which will be appreciated, may be addressed to Executive Manager, J. M. Thorburn & Co., 46 West Broadway, New York.

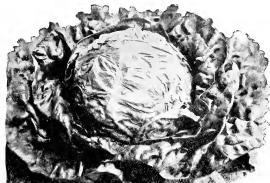
Lattuga La**i**tue

LETTUCE

Lattich Lechuga

CULTURE.—Sow 6030, 6120, 6340 and 6350 in hotbeds in March, and these as well as all the other varieties in the open ground as soon as it can be worked, and transplant in rows 8 inches apart and rows I foot apart. Sow in two weeks' time again for a succession; also Cos sorts. Latter part of August, sow any of the varieties. In October some of these may be planted in frames, to head in winter and early spring. One ounce is sufficient for 1,000 plants or 300 feet in rows. Sow 1/2 to I inch deep—if under glass, 1/4 inch. Always sow thinly and thin out well, or the plants will not be strong.





Packets 10c.	0-	1/ 11-	T 1.
American Gathering. A decidedly crisp variety; strictly bunching. Leaves bright brown varying to bright green and very much blistered	Oz.	¼ lb.	Lb.
and crumpled. Large size; late-intermediate in development6020 Big Boston. Strictly cabbage-heading; large; late-intermediate in development; buttery flavor. Leaves broad, mostly smooth, very slightly blistered and crumpled. Light dull green, excepting extremely narrow light brown border. The heads are broad, slightly pointed and	\$0.25	\$0.70	\$2.25
hard. Fine for forcing under glass	.25	.70	2.25
and firm. Leaves broad, fairly blistered and twisted. Color dull green, tinged with faint blotches	.25	.70	2.25
crumpled. Color dark, rich glossy green, distinctly spotted with deep brown	.25	.70	2.25
Color a dark, almost solid brown in summer	.30	1.00	3.25
for forcing under glass	.25	.70	2.25
Color light green, excepting faint brown on borders of leaves6100 Grand Rapids Forcing. Bunching variety, decidedly crisp; early to intermediate in development. Forms a loose, rounded cluster of leaves close enough together for blanching to only a small extent. Leaves excessively blistered and crumpled and slightly twisted. Color very	.25	.70	2.25
light green. Fine for forcing under glass	.25	.80	2.25
twisted. Color very light green	.20	.60	1.75
ity excellent. Fine for forcing under glass6160	.25	.70	2.25

LETTUCE—Continued

Packets 10c.	Oz.	¼ lb.	Lb.	
Iceberg. It is a strictly cabbage variety; crisp rather than buttery; large and late. Head is globular, extremely hard and well blanched. Leaves are slightly blistered, crumpled and twisted	\$0.25	\$0.70	\$2.25	
ety of a decidedly buttery flavor; large; intermediate in development. Head slightly oval, well blanched. Leaves broad, much blistered and				
crumpled, and slightly twisted. Color light brown6200 Market-Gardeners' Private Stock, Thorburn. A selected strain; solid,	.20	.60	1.75	
large heads, resisting the sun for a long time	.20	.60	1.75	
dium; early to intermediate. Head globular, extremely hard, very well blanched. Leaves broad, excessively blistered, crumpled and twisted. Color dull; very dark brown with dull dark green in less exposed parts. Exceedingly tender, crisp and sweet6240 New York Cabbage. This is a decidedly crisp variety, forming a very	.25	.80	3.00	
large cabbage-head of late maturity. Heads are globular or slightly oval, very hard and well blanched. Leaves broad, fairly blistered, crumpled and twisted. Color dark green	.30	1.20	3.75	
taining fullest development; not cabbage-like or solid, though, nevertheless, the inner part of the plant is well blanched. Color light brown, varying to bright green toward center6280 Salamander Improved. A most popular variety. It is strictly cabbage-	.25	.70	2.25	
heading, of a buttery flavor, and medium size. Color a medium green. Leaves slightly crumpled. Forms a good solid head	.25	.75	2.25	
is spreading, covering a rounded, well blanched, dense cluster of leaves. Leaves broad, much blistered and crumpled and slightly twisted. Color very light green. Very sweet flavor6320 Black-seeded Simpson. Crisp variety; strictly bunching, sometimes tending to a cabbage-like growth; large; marketable early, but late	.20	.60	1.75	
attaining fullest development. Forms a firm, well-blanched, rounded cluster of leaves closely drawn together. Leaves broad, much blistered, crumpled and twisted. Color very light green6330 Tennisball, White-seeded. Cabbage-heading; of a decidedly buttery flavor. Head globular and well blanched. Leaves broad, blistered,	.20	.55	1.75	
crumpled and slightly twisted. Color dull medium green, sometimes brownish in distinct blotches. Fine for forcing6340 Tennisball, Black-seeded. A decidedly butter variety; cabbage-heading; large to medium in size; early to intermediate in development. Head	.20	.60	1.75	
globular, firm and well blanched. Leaves excessively blistered, crumpled and slightly twisted. Color light green. Quality excel-				
lent. Fine for forcing under glass	.20	.60	1.75	
in size. Color dark green. Forms hard, compact head6370 White Summer Cabbage Lettuce. Large to medium size: globular and	.25	.80	2.90	
very firm. It blanches well and is of a buttery flavor. The leaves are crumpled and twisted. Color medium green6390	.30	.80	2.90	
ROMAINE, or COS LETTUCE				
Packets 10c.				
White Paris Cos. Of upright growth; fine. Forms a well-blanched head	Oz.	⅓ 1b.	Lb.	
decidedly loaf-shaped. Color pale green	\$0.20	\$0.60	\$1.75	
Shaped head, round at the top; well blanched; firm	.25 .25	.75 .75	2.50) 2.50)	
Fungo Pratajolo Blanc de Champignon MUSHROOM SPAWN		Seta Schwamn	ı	
CULTURE.—Mushrooms may profitably be grown in cellars, under b	enches .	of graam	hanese	

CULTURE.—Mushrooms may profitably be grown in cellars, under benches of greenhouses, or in sheds, wherever the temperature of 50 degrees can be kept up through the winter. Write for our special circular on Mushroom culture.

If wanted by mail, add postage	Per Brick	10 Bricks	25 Bricks	100 Bricks
American Pure-Culture Spawn. Direct bricks: latest strain.	Ditck	Diicks	DITEKS	Dricks
Weight about 1 pound each	\$0.35	\$3.25	\$7.00	\$25.00

Popone Melon Muscade

MUSKMELON (Cantaloup)

Melon Muscatel Melone



Muskmelon, Thorburn's Surprise

CULTURE.—Select a light, rich, sandy soil, and, after all danger of frosts is over and the ground has become warm and dry, plant in hills 4 to 6 feet apart each way, six to twelve seeds to a hill. When up and all danger of insects has passed, pull out all but three plants. Cultivate until the vines cover the ground, and pinch the ends of the growing shoots to induce early fruiting. Ashes, lime, or even dry road-dust, are excellent to sift over young plants when the dew is on, to prevent the attacks of insects. For sucking insects, use kerosene emulsion. A few hills for early use may be had by sowing in hotbeds, on pieces of sod or in pots. The seed may also be started out-of-doors under hand-frames or glasses. It is quite important that proper soil be selected for growing Muskmelons. The hills should have a mixture of well-rotted manure and Thorburn's Complete Manure dug into them. Or the center of the hill may be removed and a bushel of compost spaded in, covering with a few inches of earth. The melon-patch should be cultivated regularly after each rain and all weeds removed.

SALMON and YELLOW-FLESH VARIETIES

Packets 10c.	Oz.	¼ lb.	Lb.
Burrell's Gem, or Defender. Reddish orange flesh; fine-grained and spicy; dark green skin, slightly ribbed; thin rind; good shipper6800		\$0.60	\$2.00
	φυ.Δυ	φυ.υυ	φ2.00
Emerald Gem. Small, nearly round; slightly ribbed; extra early; dark green skin; thick, salmon-red flesh; very sweet6810	.20	.65	2.00
Fordhook. Firm, salmon-colored flesh; small seed cavity; vigorous			
grower	.20	.60	2.00
Long Yellow Cantaloup. Yellow flesh; late	.20	.60	2.00
Nutmeg Tip-Top. An improved strain; very sweet salmon flesh6840	.20	.60	2.00
Osage. Cocoanut-shaped; salmon flesh; dark green, netted skin 6814	.20	.60	2.00
Paul Rose. Handsome oval variety; rich orange flesh; very sweet 6820	.20	.65	2.00
Rocky Ford. Pollock No. 25. One of the best salmon-fleshed Melons;			
rust resistant; good keeper and shipper	.25	.75	2.50
Thorburn's Orange Christiana. Fine orange sort. Round, very sweet,			
and very early	.20	.60	2.00
Thorburn's Surprise. Oblong; rich orange flesh of fine quality;			
early	.20	.60	2.00
Yellow-meated Japan	.20	.60	2.00

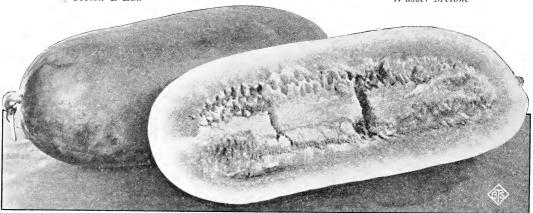
MUSKMELON—Continued GREEN-FLESH VARIETIES

Packets 10c.	Oz.	¼ lb.	Lb.
Baltimore Market. Oval; green flesh of fine quality; intermediate6870	\$0.20	\$0.65	\$2.00
Bay View Hybrid. Very large; oblong; late; light-green flesh6880	.20	.60	2.00
Hybrid Casaba. A vigorous grower and enormous yielder; melons of			
large size and unsurpassed flavor; skin is green until fruits begin to			
ripen, when it turns to a light yellow; white flesh, rich and luscious.			
Splendid for warm climates	.35	1.25	4.00
Champion Market. Large, netted; flesh light green; early6910	.20	.65	2.00
Hackensack. Large round, and of good quality; early6920	.20	.60	2.00
Hackensack Extra-Early. Ripens ten days earlier than the Hackensack;			
well adapted to short-season localities	.20	.60	2.00
Honey Dew. New. Large, round, light-colored melon; delicious, rich			
green flesh; sweet as honey; requires long growing season6935	.40	1.35	4.25
Jenny Lind. Old favorite. Small; green-fleshed; very early6940	.20	.65	2.00
Long Island Beauty. On style of Hackensack. The earliest and finest			
in quality, and the most beautiful of all Muskmelons6950	.20	.60	2.00
Montreal Green. Large, round; netted; flesh thick; late6970	.20	.60	2.00
Netted Gem, Oblong. Same as above, save in shape6990	.20	.60	2.00
Nutmeg. Sweet, green flesh; very early; named from its shape7000	.20	.60	2.00
Rocky Ford. Very sweet and fine flavored; oblong7010	.25	.75	2.50
Skillman's Netted Gem. Oval shape; large; early; sweet and highly			
perfumed	.20	.65	2.00
MISCELLANEOUS VARIETIES			
Packets 10c.			
Banana Citron. Cucumber-shaped; highly perfumed; late7110	.20	.60	2.00
Vine Peach. Color of a peach; fine for preserving or for pickling., 7135	.20	.60	2.00

Melone D'Aqua Melon D'Eau

WATERMELON

Zandia Wasser-Melone



Tom Watson Watermelon

CULTURE.—Treat the same as muskmelons, except that they should be planted 8 to 10 feet apart, according to variety. Light soil is best. Start under glass if possible. Do not allow more than three melons to set on each plant.

Packets 10c.	Oz.	¼ lb.	Lb.
Alabama Sweet. Dark green; tender red flesh; long. Fine shipper. 7410	\$0.20	\$0.50	\$1.50
Black Diamond. Dark green, tough skin; large size. Round. Average weight, 30 pounds	.20	.50	1.50
Black Spanish. Roundish; nearly black; dark red flesh; early; good shipper; hardy; productive	.20	.50	1.50
Boss. Oblong; dark green; flesh deep scarlet; rind thin; intermediate 7450	.20	.50	1.50
Cole's Early. Medium size; red flesh; green skin; roundish, oval; best for northern home gardens	.25	.60	1.90
Cuban Queen. Solid and heavy; skin marked regularly; excellent;			1.90
early; oval	.25	.60	1.90

XX/A7	PEDME	ION	-Continu	4
VV A	I P. KIVI P.	1.()	-Contini	ıea

	Oz.	⅓ 1b.	Lb.
Dixie. Excellent; large and solid; red flesh; intermediate; long7510	\$0.25	\$0.60	\$1.90
Early Fordhook. Extra early; good size; green skin; red flesh; oval7530	.25	.80	2.60
Florida Favorite. A superior strain; oblong; red flesh; early7540	.20	.50	1.50
Halbert's Honey. Dark, glossy green skin; flesh crimson, luscious and			
sweet. Strong, vigorous grower and free fruiter; long. Fine for			
northern states	.15	.40	1.25
Hungarian Honey. A very early sort; fine for northern latitudes; per-			
fectly round; brilliant red flesh	.20	.50	1.50
Ice Cream, or Peerless. Very early; red flesh; oval; seed white7570	.20	.50	1.50
Icing, Dark. Solid; dark green skin; red flesh of superior quality;			
white seed; early; nearly round	.20	.50	1.50
Irish Gray. A distinct and valuable melon; wonderfully productive. Long,			
thick and uniform; color of rind yellowish gray; flesh sparkling bright			
red, sweet and very firm and compact. One of the best shippers. 7595	.20	.50	1.50
Jordan Gray Monarch. Largest grown; crimson flesh; late; long 7600	.20	.50	1.50
Kleckley Sweets. Exceedingly sweet and fine flavored; dark green skin;			
thin rind; flesh scarlet, solid and firm; long	.20	50	1.50
Kolb Gem. Large; good shipper; bright red flesh; intermediate; oval. 7620	.20	.50	1.50
Mammoth Ironclad. Long; very large; late; red flesh; good shipper 7630	.20	.50	1.50
McIver's Wonderful Sugar. Oblong; handsome and very sweet7645	.20	.50	1.50
Mountain Sweet. Red flesh; late; dark green; long, tapers7650	.20	.50	1.50
Phinney, Early. Oblong; fine quality; large; solid; red flesh7660	.20	.50	1.50
Rattlesnake, Southern. Oblong; dark and striped; bright red flesh;		.,,	1150
late	.20	.50	1.50
Sugar Stick. Light green; oblong; luscious rich red flesh7700	.20	.50	1.50
Sweetheart. Oval; very large; bright skin; fine quality7720	.20	.50	1.50
Tom Watson. Produces melons 16 to 22 inches long and 8 to 10	.20	.,,	
inches in diameter. The dark green rind is thin, but tough; stands			
shipping well. Flesh is deep red, crisp and of finest flavor7724	.20	.50	1.50
Citron, Green Seed. Used for preserves	.20	.50	1.50
Cition, Green been. Ook for preserves	.20	.,,	

Moutarde MUSTARD

Mostaza

Sow thickly during early spring in shallow drills, and press the earth well down. For fall salad, sow in September, or in frames or boxes during winter. Needs to be gathered before it goes to seed.



Packets 10c.

100.		
Oz.	¼ lb.	Lb.
\$0.15	\$0.30	\$1.10
.15	.30	1.10
.15	.30	1.00
.15	.30	1.00
	\$0.15 .15	Oz. ¼ lb. \$0.15 \$0.30 .15 .30

NASTURTIUM

Capucine

Marancula

CULTURE.—Sow, as soon as all danger of frost is past, in drills about an inch deep. The tall kinds require fences or poles on which to climb. The seeds are used in flavoring pickles, or as a substitute for capers.

Packets 10c.

	Oz.	¼ lb.	Lb.
Tall Mixed 7920	\$0.20	\$0.60	\$2.00
		.60	2.00

OKRA, or GUMBO

Gombaud

Quimbombo

CULTURE.—Sow late in the spring, after the ground has become warm, in drills 3 feet apart, where the plants are to remain. Thin out to from 9 to 12 inches. They should be well manured. They may also be raised in pots or a hotbed, and transplanted. Good for stews, salads and soups.

Packets, 10c.

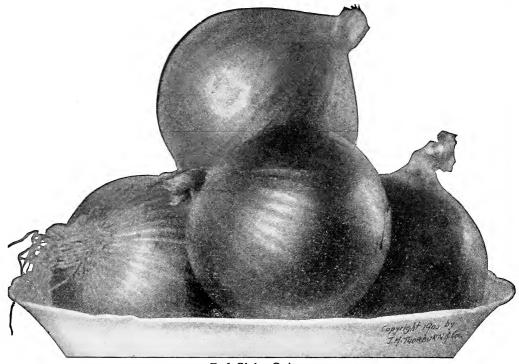
	Oz.	½ 1b.	LD.
Dwarf Green Prolific.			
Short, thick pods; early8040	\$0.20	\$0.35	\$1.00
Perkins' Mammoth.	Ψ 0.20	Ψ 0 1.0 0	• • • • • •
Fine strain; very	.20	3.5	1.00
long pods8050	.20	. , , ,	1.00
White Velvet. Tender,			
long, white pods;			
smooth and velvety	20	Ē 0	1.50
in appearance.8030	.20	.50	1.50

Cipollo Oignon

ONION

Cebolla Zwiebel

CULTURE.—Sow in rich, sandy soil, in drills 1 foot apart, at the rate of 4 to 5 pounds to the acre, or 1 ounce to 100 feet of drill. Thin to 3 to 4 inches, using the rake and hoe frequently to keep down the weeds. The finest Onions are produced by the new method of sowing the seed in hotbed in February and March and transplanting the seedlings to the open ground. Against the coming of the Onion Maggot scatter tobacco dust about the bases of plants. For thrips use kerosene emulsion. It is best to destroy all plants attacked.



Red Globe Onions

Packets, 10c.	Oz.	¼ lb.	Lb.
White Queen. Pure white; small; extra-early; fine for pickling8330	\$0.40	\$1.40	\$5.00
White Large Portugal. The standard large flat sort of the New York			
markets	.35	1.15	4.00
White Large Globe (Southport Strain). Very large and handsome. 8370	.35	1.15	4.00
White Mammoth Garganus (Silver King). Large silvery white8380	.35	1.15	4.00
White Bermuda, White or Yellow. (Teneriffe-grown.)8400	.35	1.15	4.00
White Bermuda (True Crystal Wax). (Teneriffe-grown.)8410	.35	1.15	4.00
White Welsh. Leaves used for salad early in spring. Sow in fall8520	.35	1.15	4.00
Yellow Danvers. Early and a good keeper; slightly flattened8540	.30	.80	3.00
Yellow Globe, Large (Southport Strain). The finest large yellow 8560	.40	1.40	4,50
Yellow Prizetaker. Immense size; globe-shaped; large yielder8570	.35	1.15	4.00
Yellow Ailsa Craig. A splendid Yellow Globe variety; grown largely for			
exhibition purposes. A great forcer	.75	2.50	8.00
Red Australian Brown. Medium size; hard; solid; very early8700	.30	.85	3.00
Red Bermuda. (Teneriffe-grown.)	.35	1.20	4.00
Red Wethersfield, Large. Half-early, and a good keeper; large size. 8720	.30	.85	3.00
Red Globe, Large (Southport Strain). The finest large red sort 8730	.30	.85	3.00

ONION SETS, Etc.

Plant in drills about 12 inches apart and 4 inches in the row, with their tops just showing.

Prices Subject to Market Changes

			•	9			
	Quart	⅓ peck	Peck		Quart	⅓ peck	Peck
Yellow Onion Sets	\$0.30	\$1.10	\$2.00	Red Onion Sets	\$0.30	\$1.10	\$2.00
White Onion Sets	.30	1.10	2.00	Shallots	.40	1.50	2.65
	Carlic		1 T.	h \$0.50 · 5 Lhs \$2.00			



Prezzemolo PARSLEY Perijil Persil Petersi

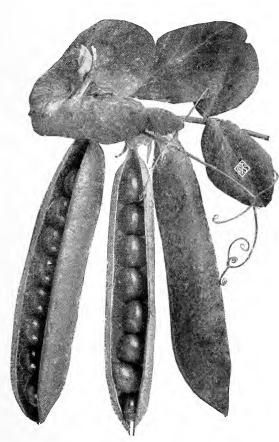
CULTURE.—Soak the seeds a few hours in lukewarm water, and sow early in spring and until the middle of July, in drills I foot

upuit.	Packets, 10c.	Oz.	¼ lb.	Lb.
Thorburn's	Extra Curled.			
	8850	\$0.15	\$0.40	\$1.25
Thorburn's	Champion Moss			
	Pretty; nice for			
	ıg 8855		.40	
	inary form . 8865	.15	.40	1.25
	Thick-rooted.			
	esemble Celeriac			
in flavor	8870	.20	.50	1.50

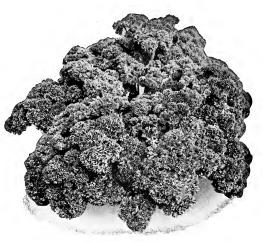
Chirivia Pastinaca PARSNIP Pastinake Panais

CULTURE.—Sow early in the spring, in rich soil, in drills 18 inches apart.

son, in arms to menes apar	Oz.	¼ lb.	Lb.
Thorburn's Hollow-Crown.			
A market-gardeners'			
strain	\$0.20	\$0.55	\$1.75



Gradus Peas



Parsley

PiselloChicharos o Guisanies **PEAS** Erbsen Pois

CULTURE.—A week ness by sowing in moist MULFORD CULTURE may be gained in earli-



sand placed in a box in the cellar, and planting outside when well sprouted. Light, dry soil, not over-rich, suits the Pea. Sow every 10 days for succession. Medium and late Peas must be planted early; Extra-Earlies may be planted again in August. Sow in single or double rows, from 4 to 6 feet apart, about an inch apart in the row, and 3 inches deep, 2 pounds to 100 feet of drill.

Note—Those marked with a star (*) are wrinkled marrows. Those marked thus (†) are large-podded sorts.

EARLY PEAS

Packets, 10c.; 1/2 lb Packets, 25c.

Thorburn Extra- Early Market. Our standard market-garden e x t r a - early Pea; produc- tive and prof-	Height in feet	Lb.		15 lbs.
itable 8900	21/2	\$0.22	\$1.60	\$4.60
Alaska. One of the very earli- est blue Peas; 8930	21/2	.35	1.60	4.60
*American Won- der. Early and produc- tive8980	1	.40	1.90	5.20



EARLY PEAS—Continued

Packets, 10c.; ½ lb. Packets, 25c.

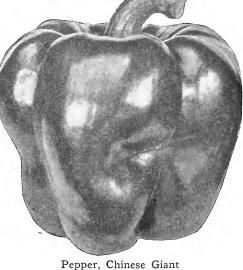
	Height		5 H -	1511-
Daisv. Verv robust.	in feet	Lb.	5 lbs.	15 lbs.
Daisy. Very robust, and the crop of				
giant well - filled				
pods of good color	117	¢0.40	¢ 1 00	¢ 5 20
is enormous. 9570	1 1/4	\$0.40	\$1.90	\$5.20
Daniel O'Rourke, Improved. Extra				
e a r l y; favorite				
sort 8910	21/2	.35	1.60	4.60
Early Eight Weeks.				
Ready for picking before any of the				
before any of the				
other extra early				
varieties; fine quality. Well-				
filled pods, quite				
large for so early				
a variety 9562	11/4	.40	1.90	5.20
First-of-All. First-				
class selected				
strain of extra- earlies8920	$2\frac{1}{2}$.40	1.90	5.20
*†Gradus, also called	-/2		1.70	J. <u>2</u> 0
Prosperity. On e				
of the finest extra-				
early Peas. Ready				
to pick about four				
days after 8900.				
Pods very large, filled with large				
"wrinkled" Peas of				
finest quality.8950	3	.40	1.90	5.20
*†Laxtonian. Very				
large, dark green,				
curved pods and Peas of finest fla-				
vor; great yielder;				
very early9040	2	.45	2.00	5.50
*Nott's Excelsion.				3.30
Splendid early wrinkled sort;				
wrinkled sort;		4.0		
very prolific. 9000	1	.40	1.90	5.20
Premium Gem. Early; straight pods; well				
filled 9010	- 1	.40	1.90	5.20
*Sutton's Excelsior.				
As early as Amer-				
ican Wonder, with				
much broader pods, filled with				
large Peas of fin-				
est flavor; very				
prolific8990	1	.40	1.90	5.20
*†Thomas Laxton. A				
cross between Gradus and one of				
the extra-e a r l y				
sorts. Ripens				
within a day or				
two of the earliest				
round varieties;				
very productive; pods large8940	3	40	1.90	5 20
†*World's Record.	,	.40	1.70	ا2.∠∪
Large-podded Pea				
of fine quality;				
very early 9050	4	.40	1.90	5.20
26				

·				
MEDIUM PEAS				
Packets, 10c.—½-Lb. Packets, 25c.	Heigh in feet		5 lbs.	15 lbs.
*Horsford's Market-Garden. Style of Advancer; prolific9170 Everbearing. Long pods; large Peas; sow thinly9180 †Pride of the Market. Very large pods; sow thinly9190 *Champion of England. A well-known sort; sow thickly9200 *Dwarf Champion (Juno). Dwarf form of the popular Champion		\$0.40 .40 .40 .45		\$5.20 5.20 5.20 5.50
of England, with large pods; very productive	2 5	.45 .45	2.00 2.00	5.50 5.50
MAIN and LATE-CROP PEAS				
Packets, 15c.; ½ lb. Packets, 25c. except where noted				
*†Admiral Dewey. (Alderman.) Enormous pods; large wrinkled Peas	4 41/2 2 51/2 2	.45 .45 .45	2.00 1.90 2.00 2.50 2.00	5.50 5.20 5.50 7.00 5.50
†Telegraph. Large pods and Peas	4 4 3	.45 .45 .45	2.00 1.90 2.00	5.50 5.20 5.50
SUGAR PEAS (Edible Pods)				
Sugar Peas have edible pods which are eaten when young. Packets, 15c.; ½ lb. Packets, 25c.	4	.45	1.90	5 20
- D. 11	4	.45	1.90	5.20
Peperone Piment PEPPER Pimies	nto			
CULTURE.—Sow in hotbeds in March and, when the soil has beed feet apart and 18 inches in the rows. Hoe frequently. The soil should be light, warm and rich, but not dry. One ounce will produce 1,500 to 2,000 plants. Packets, 10c.	ome w	arm, so	et in r	ows 2
Hell. Large. Bright red;				

Bell, Large. Bright red; largely used for pick-ling. Mild flavor; ling. Mild flavor; may be eaten as a vegetable9650 Chinese Giant. Very \$0.40 \$0.70 \$2.40 large; flesh very mild and thick; bright .90 2.75 scarlet color...9660
Cayenne Long Red. .50

Slender pods; 3 inches; pungent.9670 .75 2.50 .45 Perfection Sweet. very sweet Pepper, piquant flavor, not fiery; medium size; thick-skinned and of .75 2.50 .45 brilliant scarlet.9725

Red Cherry. Cherry-shaped; used for pickles; hot....9740 .75 2.50 .45 Red Chili. Productive;



atou omini i i omini i i	- /	_	- / 11
small; red and very	½ OZ.	Oz.	1/4 lb.
pungent	\$0.45	\$0.80	\$2.60
Royal King. Flesh very thick, mild and sweet; fine shipper9755	.45	.80	2.60
Ruby Giant. Large, desirable shape for stuffing; mild and delicate. 9764	.50	.90	2.75
Ruby Glant. Barge, desirable shape to	4.5	70	2.10
Ruby King. Bright red; 4 to 6 inches long; mild; best for stuffing. 9770	.45	.70	2.40
Sweet Spanish. Large; mild; used for salad9800	.50	.95	3.00
Sweet Spanish. Darge, mile, used for salaritimes			2

ZuccaPotiron

PUMPKIN

Melonen-Kürbiss Calabaza

¼ lb.

.50

Oz.

\$0.20 \$0.50

.20

Lb.

\$1.50

1.50

CULTURE .- Any average garden soil will do. May be planted middle of spring, among the Indian corn or in the field or garden, in hills 8 to 10 feet apart each way, 4 seeds in a hill. Spade into the hills a bushel or more of compost, and a double handful of Thorburn's Complete Manure. Sow seeds about 1 inch deep, I ounce for 30 hills. If the largest possible fruit is wanted, allow but one to set on a plant, pinching off all others.

Packets, 10c.

	Tuestott, 1000
Early Sugar. Fine-grained, sweet	pest varieties for family use10150 and prolific; small; yellow. Flattened best for Pies10170
	Cushaw Striped. A splendid st crookneck variety
	flattened ends: red: deen v

Quaker Pie Pumpkin Pomme de Terre

	Oz.	⅓ lb.	Lb.
Cushaw Striped. A splendid striped crookneck variety10220	\$0.20	\$0.50	\$1.50
Cushaw White, or Jonathan. A white crookneck variety of excellent quality; fine for pies10224	.25	.75	2.50
Cushaw Mammoth Golden. A golden yellow variety of excellent quality; fine for pies10225	.20	.50	1.50
Tennessee Sweet Potato. Very large; bell-shaped; thick white flesh; fine for pies10230	.20	.50	1.50
Japanese Pie. Early; dark green; flesh yellow10246	.20	.50	1.50
Mammoth King. Salmon-orange skin; very thick bright yellow flesh; fine grained and tender. Grows to an enormous size10260	.25	.75	2.50
Quaker Pie. Bell-shaped, slightly crooked; very large; yellow, mottled green; yellow flesh; very prolific and a good keeper; fine for	.20	<i>5</i> 0	1.50
pies	.20	.50	1.50
round; russet yellow; very thick light yellow flesh. A fine keeper and one of the best for pies.10290	.20	.50	1.50
Connecticut Field. Very large, oval, flattened ends; red; deep yellow skin and flesh. Grown in corn-			
fields for stock 10300	.15	.40	1.10

POTATOES

Patatas

GROWN EXPRESSLY FOR SEED

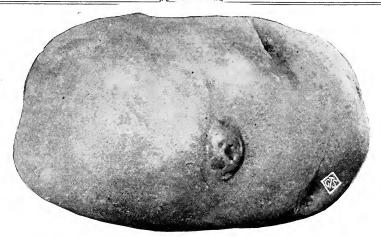
CULTURE.—Three to 4 barrels to the acre, I peck for 100 feet of row. Select a rich soil, neither dry nor wet. The farther South the grower lives, the surer he should be that his seed is from the North, for southern-grown seed keeps poorly and sprouts badly. Cut the potatoes into chunky pieces of one-quarter or so, not thin slices, trying not to cut through eyes and having about three eyes on each piece. Plant in rows 3 feet apart, and the sets 1 foot in the rows and about 4 inches deep. Place in bottom of hill a good handful of Thorburn's Complete Manure and mix with the soil. For diseases and pests in general, beginning when the plants are up to 6 to 8 inches, spray with a mixture of bordeaux, paris green and arsenate of lead, every two weeks

These are prices ruling January 1; later on they may be higher and are subject to change without notice. We ship Potatoes entirely at customer's risk

One barrel or sack weighs about 165 pounds net; one bushel, 60 pounds net

EARLY POTATOES

Bbl. or ⅓ pk. Pk. 1/2 bus. Bus. Irish Cobbler. Fine; white; vigorous grower; cubical shape. 10430 \$0.80 \$1.50 \$2.50 \$4.50 \$10.50 Early Rose. Popular market sort; very early; fine quality; very productive; pink skin.....10460 .80 1.50 2.50 4.50 10.**5**0



Carman No. 1 Potato

INTERMEDIATE and LATE POTATOES					
	½ pk.	Pk.	½ bus.	Bus.	Bbl. or Sack
Carman No. 1. This most valuable Potato was introduced by us in 1894, and it is a recognized high-class standard sort10530	\$0.80	\$1.50	\$2.50	\$4.50	\$10.50
Green Mountain. Oval shape; white skin and flesh; excellent; heavy yielder	.80	1.50	2.50	4.50	10.50
Rural New Yorker. An old standard Potato. Very few and shallow eyes; fine, pure white skin and flesh; immense yielder; fine					
table quality, cooking very mealy10580	.80	1.50	2.50	4.50	10.50
Sir Walter Raleigh. Very productive; white flesh of best quality.	85	1 5 5	2 75	5.00	11.50

Ravanello Radis et Rave

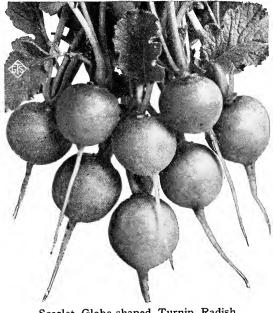
RADISH

Radies Rabanos y Rabanitos

CULTURE.—Sow as soon as the ground is dry in the spring, in rows 8 to 12 inches apart, and 1/2 inch deep, every week or 10 days for a succession up to the middle of June, after which they are but little used unless a cool northern spot can be had where the ground is shaded during a part of the day. They should be sown in light, rich soil, as a crisp Radish cannot be produced in heavy soils. Sow also in early fall for late crops and winter use. Sow 8 to 10 pounds to the acre; 1 ounce for 100- to 125-foot row. Radishes should be eaten when quite small, it is a mistake to let them grow too long and too large. This applies particularly to the French Breakfast and small turnip-shaped sorts. Varieties marked with an asterisk (*) are best suited for market-gardeners.

Large Packets, 10c.

	,		
	Oz.	¼ lb.	Lb.
*Turnip, Early Scarlet. Very early. The French favorite10680			
*Turnip, Early Scarlet White-tipped. Very early; for frames or outdoors10710	.15	.40	1.25
*Turnip, Early Scarlet White-tipped, Forcing, Rosy Gem10720	.15	.40	1.25



Scarlet Globe-shaped Turnip Radish

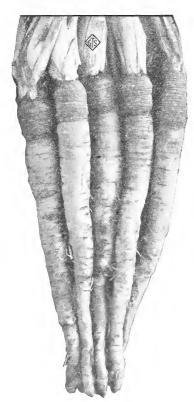
RADISH—Continued	0-	1/ 11	т 1.
*Turnip, Early Scarlet Globe-shaped. Fine for forcing or open ground. The Radishes are almost round, of a beautiful rich scarlet, very tender and crisp		\$4 1b.	
*Turnip, Early Crimson Giant Forcing. Good also for outdoors. In spite of	20		1.00
their large size, these Radishes are crisp and solid10820	.20	.60	1.90
*Turnip, Early Round White Forcing, or Box	.15	.50	1.60
*French Breakfast. Pink and white; early11000	.15	.40	1.25
Olive-shaped Scarlet11094	.15	.40	1.25
Half-long Deep Scarlet (Paris Beauty)11140	.15	.40	1.25
Long Icicle. Pure white; of fine flavor; suitable for forcing11230	.20	.60	1.90
Long Cincinnati Market. An improved strain of Long Scarlet11240	.20	.50	1.50
*White Strasburg Summer. Very large; a popular favorite11320	.20	.55	1.85
*Winter Rose Chinese Half-long. Very handsome and distinct and keeps well.			
11380	.20	.50	1.60
Winter Long Black Spanish. The popular winter sort11390	.20	.50	1.60
Winter Round Black Spanish. Fine for winter11420	.20	.55	1.85
Sakurajima (Mammoth Japan). The largest sort in cultivation. Sow early in rich soil. In Japan it grows as much as 21 inches long and 43 inches in circumference. Thin well to allow of proper development	.30	1.00	3.00

Rabarbaro

RHUBARB

Rulbarbo

CULTURE.—Sow seed in a coldframe, in a fine rich, sandy loam, about the 1st of March, in drills 4 inches apart. Keep the frames covered during the nights and cold days, so that the soil will not freeze, and in six to eight weeks the plants will be large enough to set in the open ground. Transplant to a rich and deep soil, and set in rows 12 inches apart and 12 inches in the row. The



Mammoth Sandwich Island Salsify

following spring transplant again to a permanent location, setting 4 to 5 feet apart each way. In good soil, Rhubarb is ready to use the second year from seed. When roots are set out, plant them 4 to 5 feet apart each way, and keep weeds down. If roots are used, a crop may be had after one season, which is much better than sowing seed where only a few plants for family use are needed. In the fall the bed should have a thick dressing of coarse manure, to be spaded under in spring.

Each Doz.

Strong Roots of Victoria..11700 \$0.25 \$2.50

Sassefrica Salsifis

SALSIFY (Vegetable Oyster)

Ostion Vegetal Haferwurzel

CULTURE.—Salsify will grow in any good garden soil. Work in some Thorburn's Complete Manure and scatter some of it along the furrow, covering lightly before dropping in the seed. Sow as early as the ground can be worked in the spring, in drills 12 inches apart, 1 inch deep, and thin out to 6 inches in the row. Use I ounce to a 60-foot row; 8 to 10 pounds to the acre. Keep the plants free from weeds. A part of the crop may be left in the ground till spring, when it will be found fresh and plump. The roots are cut into pieces ½ inch long, boiled until tender, and then served with drawn butter, in which way it is a delicious vegetable. They are also mashed and baked like parsnips, and have a sweet and agreeable flavor. Mashed and fried, the flavor is much like that of the oyster.

Corzonere

SCORZONERA

Escorzonera

Pkt. 1/4 lb.

CULTURE.—Cultivate the same as salsify. It is cooked in the same manner, but on account of being somewhat more difficult to raise is seldom seen in cultivation. Considered by many superior to salsify. It is

Oseille Acetosa

SORREL

Sauerambfer

CULTURE.—Sow in spring in drills 18 inches apart, in a rich soil, and keep the flower-stems cut off as they appear. It remains in the ground year after year, and needs to be taken up and divided only once in four or five years. To be cut and cooked precisely like spinach, or it is excellent cooked with it, one-third sorrel to two-thirds spinach. It is also used for soups.

Garden, Large French..11930 \$0.10 \$0.25 \$0.80

SWISS CHARD

(Spinach Beet)

CULTURE.—Sow in drills 1 foot apart and 1 inch deep, as early as the ground can be worked, and when large enough thin out to stand 6 inches apart in the row. Continue sowings for succession crops until the middle of July.

> Oz. ¼ lb.

Giant Lucullus. Large, crinkled leaves; tender and of fine flavor; dark green; pure white ribs.

1700 \$0.10 \$0.20 \$0.60 \$2.00



Giant Lucullus Swiss Chard

Spinace **Epinard**

SPINACH

Espinaca Spinat

CULTURE.—Sow in early spring, 1 inch deep, in drills a foot apart (10 to 12 pounds to the acre; I ounce to 100-foot drill), every two weeks for a accession, and, as it grows, thin out for use. Soil should be rich and light. Spade in plenty of compost or well-rotted manure. For fall use, sow in August, and for winter crop in September. Cover that which is left out over winter with straw or leaves after the weather becomes quite cold. Keep clear of weeds. Sow the seeds of New Zealand late in spring in hills 3 feet apart each way, three or four seeds in a hill.

Packets, 10c.

Oz. 1/4 1b. Lb.

Round Viroflay (Thick-leaved). Has very large, thick, dark green leaves; the



Prickly or Winter Spinach

favorite market-gardeners' sort for fall or spring Long Season, Thorburn's. Stands longer before running to seed than any other sort except New .15 .30 .95 Curled-leaved Savoy (Bloomsdale). Large curled and wrinkled leaves; tender and of finest flavor......12050 .30 .90 Prickly, or Winter. ous and hardy; Vigorrecommended for fall sowing. .15 .30 .90 12080



New Zealand Spinach

SPINACH—Continued

	Long-standing (Round Thick-leaved). Dark green; leaves large and thick; very long-stand-	Oz.	1/4 lb.	Lb.
	ing. Best for spring growing12060	\$0.15	\$0.30	\$0.80
	Victoria. Extra-dark, black-green color. Two or three weeks later than the ordinary "Long-standing." A fine variety for spring sowing 12070	.15	.30	.80
	New Zealand Summer.			
New Zealand Spinach very prolific. Pick the leaves and shoots as wa	Not a Spinach, but used as such. Grows 1½ feet high and is			
summer weather; valuable for hot climates. So		2.5	7.0	1.00

.25

.70 1.90

CULTURAL DIRECTIONS

Our Cultural Directions on some of the Vegetables in this catalog have of necessity been curtailed. We publish, however, in pamphlet form, complete directions for each. Mailed free on request.

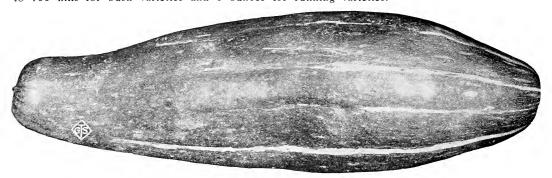
Zucca Courge

SQUASH

before sowing......12120

CalabazaKürbiss

CULTURE.—Sow in hills in the same manner and at the same time as cucumbers and melons, the bush varieties 3 to 4 feet apart, the running kinds from 6 to 9 feet apart. Four ounces to 100 hills for bush varieties and 8 ounces for running varieties.



Mammoth Whale Squash

BUSH VARIETIES

Packets, 10c.	Oz.	¼ lb.	Lb.
Early Golden Bush. Fine for summer; not so early as the White Bush12200	\$0.20	\$0.55	\$1.75
Golden Custard. Mammoth strain of Golden Bush. Golden yellow flesh;			
fine quality12210	.20	.55	1.75
Early White Scallop Bush. A good early shipping variety12220	.20	.55	1.75
Mammoth White Scallop Bush (Silver Custard). Not so early as the former,			
but it produces larger fruits12224	.20	.55	1.75
Long Island White Bush. An improved strain of Early White Scallop Bush;			
very prolific	.25	.80	2.00
Summer Crookneck, Yellow. Yellow fruit; distinct; best for summer12270	.25	.80	2.00
Summer Crookneck, Giant. Giant; double the size of the above12280	.30	.85	2.25
Cocozelle Bush (True Italian Vegetable Marrow). A fine variety; oblong shape;			
skin smooth, dark green, marbled yellow or pale green12300	.25	.80	2.00

SQUASH—Continued RUNNING VARIETIES

Packets, 10c.; Ounce, 25c., except where noted Boston Marrow. Oval; bright orange; flesh yellow and fine.....12410 \$0.80 \$2.00 Delicata. Orange-yellow, striped green; small size, but very prolific; it is extra early, solid and a good keeper; flesh dry and of fine quality12440 .85 2.75 Delicious. Green skin; orange flesh, fine-grained, sweet and dry. 12450 .70 2.25 **Hubbard.** Well known and liked for late use; fine for pies.....12500 .70 2.25 Hubbard, Golden or Red. Same as above, but with orange-red skin. Oz. 15c.....12510 .50 1.60 Hubbard, Mammoth Warted. mense size, covered with warts. .70 2.25 Mammoth Chili. Rich orange flesh; grows to an enormous size. 12540 .80 2.90 Mammoth Whale. Enormous size: solid; orange flesh; fine quality. .70 2.25 12550 Marblehead. Gray skin; very productive; fine keeper.......12560 .80 2.90

VEGETABLE MARROW

Delicious Squash

> Pomo D'Oro Pomo D'oro

TOMATO

Tomate Liebesapfel

CULTURE.—Sow in a hotbed in early spring, about 1/8 inch deep, or the seed may be sown in shallow boxes and placed in a window when one does not wish to have the trouble of making a hotbed. One ounce will produce 1,500 to 2,000 plants. Transplant to the open ground when all danger of frost is past, setting the plants 3 to 4 feet apart each way. Soil should not be wet, but should have a good supply of moisture. It should be deep, with plenty of well-rotted manure. Avoid any nitrogenous food, and dress the the plants only once or twice lightly with manure water or Complete Manure. Fruit may be had several weeks earlier by sowing seed quite early and transplanting into small pots. When setting out plants, put them several inches lower in the ground than they stood in the pot, in order that they will not dry out. To obtain early Tomatoes, cut back two or three of the branches of the vines, or pinch off a few of the flowers. Later in the season stake and tie up the plants for support. Tomatoes that have not ripened at the end of the season may be taken from the vines and placed in empty coldframes or wrapped in tissue paper and carefully packed in flat boxes, where a large proportion of them will ripen from time to time, frequently until Christmas.

The varieties marked * are best for forcing.

Packets, 10c.	Oz.	¼ lb.	Lb.
Acme. Medium size; smooth and good; crimson12740	\$0.35	\$1.30	\$4.50
*Atlantic Prize. Extra early; smooth; medium scarlet; good size12750	.35	1.30	4.50
Beauty. Large; smooth; dark crimson; thick flesh; regular form12770	.35	1.15	4.00
Bonny Best. Very early; scarlet; medium to full market size; even, smooth			
and regular; valuable for home garden or market	.35	1.25	4.50
Buckeye State. Very large and productive; crimson; smooth, uniform; good			
quality	.35	1.25	4.50
Chalk's Early Jewel. Fine; large; solid; smooth; scarlet; similar to Stone;			
early		1.25	
Crimson Cushion. Extra large; handsome; bright crimson12830	.55	1.75	6.00



TOMATO—Continued

Packets, 10c.

Oz. ¼ 1b. Lb.



*Carter's Sunrise. Early and productive; medium-sized, bright scarlet fruits; smooth and solid; for forcing or for outdoors.

12794 \$1.00 \$3.00

Diener Tomato. Said by the introducer to be larger than any other. Dark red, solid flesh, some of the fruit weighing 3 pounds, but averaging pound each. Pkt. 10c.

13218 (Packets only)

Dwarf Champion. Quite distinct; early; fruit like the Acme; crimson; of medium size: good quality..12840

.35 1.20 4.25

*Earliana. Extra early; cardinal-s c a r l e t; smooth; plant is compact in growth.12850

.40 1.30 4.85

Golden Queen. Smooth: golden yellow; about size and form of Beauty; of good flavor and solid; fine; very early....12950

.35 1.25 4.50

1.25 3.00 9.00

large; prolific. 12975 Globe. Livingston's Very early; crimson; smooth and of large size; very productive

John Baer. Early; red;

and a good keeper. 12940 Extra large; smooth and handsome; scarlet; very solid. Plant of

.40 1.40 5.00

vigorous growth and prolific..... Oz. ¼ lb. Lb. Perfection. Early; regu.50 1.75 6.00

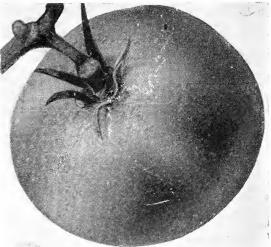
lar and productive; scarlet 13070 Ponderosa. The largest variety in cultivation; 15c. Pkt. crimson. 13080 Red Rock. Exceedingly firm-fleshed; very large size, and ripens evenly without cracking. Very prolific13084
*Stirling Castle. S m a l l
size; solid; scarlet; good for forcing.13120 Stone, Thorburn's. Very large; perfectly smooth; fine dark scarlet13130
Trophy. Very solid;
standard late; fine canner; dark scarlet.13200 'Trucker's Favorite. Crimson; large; smooth and very regular in form;

Matchless.

\$0.50 \$1.75 \$6.00 .75 2.75 9.50 .35 1.25 4.50 1.00

1.30 4.50 .35 1.25 4.50

.35 1.25 4.50



Livingston's Globe Tomato

SMALL-FRUITED TOMATOES

Packets, 10c.

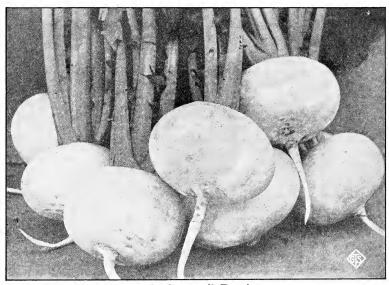
For pickling and preserving. Also invaluable for garnishing.	Oz.	¼ lb.
Red Cherry. Small fruits; used for pickles; very handsome	\$0.50	\$1.75
Red Peach. Resembles a peach; for preserves, pickles and exhibition 13320		1.75
Red Pear. Fruit handsome and solid; fine for preserves	.50	1.75
Yellow Cherry. For pickles and preserves	.50	1.75

Navone Navet

TURNIP

Nabo Weisse-Rübe

CULTURE.—For early Turnips, sow as soon as the ground opens in spring. No. 13842 should be sown from any time in July to 1st of August, but the other kinds, for winter use, may be sown from the middle of July to the end of August. Turnips are generally sown broadcast, but much larger crops are obtained by cultivating in drills 18 inches apart and thinning to 6 inches in the drill. Sow in shallow drills, 1 pound to the acre; 1 ounce to 150 feet of drill; broadcast, 2 to 3 pounds to the acre.



Early Snowball Turnips

WHITE VARIETIES

Packets, 10c.	Oz.	¼ lb.	Lb.
Cow Horn. Long; white; in shape resembling a cow's horn13500	\$0.15	\$0.45	\$1.50
Des Vertus Marteau (Half-long White Vertus). About 6 inches long; thickest			
at the bottom; flesh white, tender, sugary; grows quickly13505	.20		
Early Snowball. Small; of rapid growth; pure white13510	.20	.55	1.75
Globe-shaped Red-Top. A standard sort in the New York market13530	.15	.45	1.50
Globe Pomeranian White. Good either for table or stock13540	.15	.45	1.50
Globe, Large White Strap-Leaf. Suitable for field culture13544	20	.55	1.75
Jersey Lily (White Model). Snow-white; globular	.20	.55	1.75
Milan, Early Purple-Crown. Earliest of all; white, with purple top13590	.20	.55	1.75
Milan, Early Pure White. Very handsome; pure white; crisp and tender. 13600	.25	.95	3.00
Strap-Leaf, White. A good early, white flat sort	.20	.55	1.75
Strap-Leaf, Red-Top. The popular fall flat sort	.15	.45	1.50
White Egg. Oval; handsome and sweet; one of the finest for the table13680	.15	.45	1.50
YELLOW VARIETY			

.20 .60 2.00

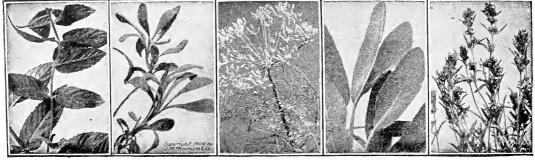
Golden Ball. Very handsome; keeps fairly well.Pkt. 10c. 13780

RUTABAGA

CULTURE.—Sow in July, thinly in rows. Cover firmly with $\frac{1}{2}$ inch of fine soil. Thin plants to stand 6 inches apart in the row. Give constant cultivation during growth. Before hard freezing weather pull the roots and cut off tops. Store in cool cellar, cover with sand or soil to keep them fresh.

Packets. 10c.

	, , , , , , , , , , , , , , , , , , , ,	Oz.	¼ lb.	Lb.
American Purple-Top.	Yellow flesh; large, for table or stock feeding.13842	\$0.15	\$0.35	\$1.00
	Very large13844			
Thorburn's Family. For	r family use	.15	.40	1.25
Budlong White Rock.	Very early; round and white	.15	.35	1.00



Peppermint

Lavender

Sweet Fennel

Sage

Summer Savory

SEEDS OF POT, SWEET AND MEDICINAL HERBS

		Pkt.	Oz.	¼ lb.
Agrimony. For medicinal purposes	officinalis 14000	\$0.25		
Angelica, Garden. For flavoring wines and cakes Archangelica	a officinalis14010	.10	\$0.50	
Anise. Seeds aromatic and carminativePimpinella	anisum14020	.10	.40	
Balm. For culinary purposes	cinalis14040	.10	.50	
Basil, Sweet. Culinary herb for flavoring soups,				
etc		.10	.40	
Basil, Dwarf or Bush. Culinary herbOcimum mix		.10	.40	
Belladonna. Used for medicine	adonna 14070	.25	1.00	
Bene. The leaves are used for dysentery Sesamum or	ientale 14080	.10	.40	
Borage. Leaves used as a salad	inalis 240	.15	.40	\$1.50
Caraway. Used in flavoring liquors and bread Carum Cara	vi14100	.10	.50	
Coriander. Seeds aromatic. For sowing Coriandrum	sativum 14130	.10	.15	.30
Dill, Mammoth. Seeds used for flavoring vinegar	14154	.10	.20	.60
Elecampane. Has tonic and expectorant qualities Inula Helen	ium14160	.25	2.00	
Fenel, Sweet. Seeds aromatic; for flavoring Anethum F.	æniculum14170	.10	.20	.75
Henbane. Has medicinal qualities. Poisonous Hyoscyanus	niger14220	.15	.80	
Horehound. Has medicinal qualities	vulgare14230	.15	.35	
Lavender. True. For oil and distilled waterLavandula	vera14250	.20	.75	
Marigold, Pot. Single. For medicinal purposes Calendula e	officinalis 14280	.10	.40	
Marjoram, Sweet. Is used in seasoning Origanum I		.25	1.50	
Mint. Peppermint		.25		
Pennyroyal. Has medicinal qualities	ulegioides 14320	.25	2.00	
Rue. Said to have medicinal qualities	14340	.15	.50	
Sage, Broad-leaved	inalis 14360	.15	.50	1.75
Savory, Summer. Is used as a culinary herb Satureia hor	rtensis14390	.10	.50	
Tansy. Generally used in bitters	vulgare14410	.25	1.50	
Tarragon. True. Does not produce seed. Roots				
in fall and spring. 50c. each, \$4 for 10 Artemisia L	racunculus14420			
Thyme, English	14430	.15	1.00	
Thyme, French		.20	1.00	
Wormwood. Has medicinal qualitiesArtemisia	lbsinthium14460	.10	.40	

THORBURN COLLECTIONS of VEGETABLE SEEDS

FOR GARDEN CLUBS, SCHOOLS AND INDIVIDUALS

Delivered Free Anywhere in the United States

ONE-DOLLAR Collection

Packet each Beans, Beet, Carrot, Sweet Corn, Lettuce, Onion, Parsley, Parsnip, Garden Peas, Pumpkin, Radish, Spinach, Tomato, Turnip.

14 Packets in All......

28 Packets in All......

12 Dollar-Collections for \$10.00; 100 Collections, \$80.00

TWO-DOLLAR Collection

Packet each Beans, Beet, Broccoli, Brussels Sprouts, Cabbage, Carrot, Celery, Cress, Sweet Corn, Cucumber, Egg Plant, Endive, Kale, Leek, Lettuce, Musk Melon, Mustard, Onion, Parsley, Parsnip, Garden Peas, Pep-per, Pumpkin, Radish, Spinach, Squash, Tomato, Turnip.

12 Two-Dollar Collections for \$20.00; 100 Collections for \$160.00.

1 pkt. Kohl Robi 1 pkt. Leek 1 pkt. Musk Melon 1 pkt. Mustard 1 pkt. Onion 1 pkt. Parsnip pkt. Brussels Sprouts 1 pkt. Brussels Sp pkt. Cabbage pkt. Cauliflower pkt. Celery pkt. Cress pkt. Cucumber pkt. Endive pkt. Egg Plant pkt. Kale pkt. Parsiey pkt. Parsnip pkt. Pumpkin pkt. Spinach pkt. Squash pkt. Tomato 1 oz. Cos Lettuce 1 pkt. Turnip The Full Collection as Above

NOTE-The Packets in the above Collections are regular FULL-SIZE PACKETS of our High-

grade Seeds as listed in the body of our catalog. The saving on these collections is possible for the reason that same are packed in advance of the shipping season.

Children's Collections for Distribution in Schools, Etc.

CHILD-LIFE 25¢ Garden Collection

7 Small Packets of Thorburn's High-grade Seeds, consisting of Beet, Carrot, Lettuce, Onion, Radish and Turnip in Vegetables, and Nasturtiums in Flower Seeds.

One Dozen 25c Collections, \$2.40; 100 Collections, \$18.75; 1,000 Collections, \$175.

CHILD-LIFE 50¢ Garden Collection 15 Small Packets of Thorburn's High-grade Seeds, consisting of Bush Beans, Beet, Carrot, Sweet Corn, Lettuce, Onion, Parsley, Parsnip, Pumpkin, Pepper, Radish, Spinach and Turnip in Vegetable Seeds, and Nasturtiums and Virginia Stock in Flower Seeds.

One Dozen 50c. Collections, \$5.00; 100 Collections, \$40.00; 1,000 Collections, \$390.

It involves no Algebraic Problem to calculate that there can be very little if any profit in the sale of Thorburn's Child-Life Collections, considering that the best seeds are used throughout and the amount of labor necessary in their preparation. The House of Thorburn realizes that these seeds are to be used in the children's healthy outdoor Garden Education and that the younger generation of to-day constitutes the army of Garden Enthusiasts of to-morrow.

TOBACCO SEED			
	Oz.	¼ lb.	½ lb.
Connecticut Seed Leaf. The popular sort; used for cigar wrappers14620		\$2.00	
Gold Finder. A cross between Yellow Oronoka and White Burley14626 Havana. Seed gathered for us from the celebrated plantations of the "Yuelto de	-75	2.50	4.00
Abajo"	1.00	3.00	5.00
Hester Improved. Yellow; fine for cigars. Adapted to a greater variety of soils and to a wider range of latitude than most other yellow sorts14634	.75	2.50	4.00
Kentucky Yellow. Leaf of large size, handsome shape, excellent quality and of	-, ,	,-	4.00
surprisingly fine texture, taking size into consideration	.70		3.25
Oronoka White-Stem. Plants are large, with long, medium-broad leaves of hand-	.70	2.00	3.25
some shape, fine texture and good body14662	.75	2.50	4.00
"Sweet. Plants of medium size; leaf is long and somewhat narrow, fine-grained and of sweet flavor	·75	2.50	4.00
" Virginia. Large leaf; for wrappers and fillers14669	·/3 ·75	2.50	
Pennsylvania Seed-Leaf. A first-class standard cigar variety14670	1.00	3.00	
Pryor, Blue. The genuine James River favorite14690	.75	2.50	4.00
Sumatra, Deli. Imported; the well-known sort	1.50		10.00
Turkish. Imported. Needs no description	1.50	5.50	10.00
Virginia Oak Hill Yellow. Resembles White Burley in color and Oronoka in shape and habit. Unsurpassed in delicacy of fiber	.75	2.50	4.00
Virginia James River. Good for cigar wrappers14755	1.00	3.00	5.00
White Burley, Improved. Leaf is large and broad, with yellowish white stem and ribs; good for fillers, wrappers and cigarettes	.75	2.50	4.00
1105, good for inicis, wrappers and eigaretics	•/3	2.50	4.00
BIRD SEED, Etc.			
Prices of Bird Seed fluctuate considerably throughout the year. The prices now quoted as we go to press, and may be higher or lower as the season advances. Bags a charges extra.			tation
Canary Seed, Plain. Best grade	lhe \$	6 00	Lb. \$0.20
Canary Seed, Mixed. Best grade			.20
Hemp		6.00	.20
Sorghum, Mixed (Kaffir Corn). For pigeons, etc		6.00	.20
Lettuce Seed			.40
Millet, Golden25 lbs. 2.50, 50		4.50	.12
Rape		7.50	.20
Gravel for CagesPer Cuttlefish Bone	•	.10	
Sunflower Seed for Parrots			·75
			Ī
VEGETABLE PLANTS, ROOTS, Etc.			
PLANTS GROWN FROM OUR OWN SEED-Add 10c. per dozen, 50c per	-		
to cover transportation Cabbage. Ready April 10	Do2 . \$0.2		100 \$1.50
Cauliflower. " April 10		65 30	1.75
Celery, "July 1		0	1.35
Egg Plant. " May 15		;o	3.50
Kale. " May 15		5	1.50
Lettuce. " April 10	2	5	1.50
Pepper. " May 15	• •3	0	1.75
Tomato. "May 1			1.75
Sweet Potato. " June 1	2	0	1.35

2.00

34.00

Peck

\$2.00

-.35 4.00

Quart

\$0.35

Horse Radish Roots.

Artichoke Roots, Jerusalem.....



GRASS SEED MIXTURES

We deliver free all Lawn Mixtures ONLY when Cash accompanies order. We reserve the right to ship via Parcel Post, Express or Freight at our option.

THE THORBURN LAWN GRASS SEED

Produces a splendid turf of a beautiful color and texture; quick growth and permanent.

1 lb. 45c., 2 lbs. 80c., 10 lbs. \$3.75, 25 lbs. \$9.00, 100 lbs. \$35.00

THORBURN'S LAWN GRASS SEED FOR THE SOUTH

This is a special mixture of grasses particularly adapted to withstand extremes of drought and heat. 1 lb. 65c., 2 lbs. \$1.20, 10 lbs. \$5.00, 25 lbs. \$12.00, 100 lbs. \$45.00.

THORBURN'S LAWN-RESTORING GRASS SEED

For reseeding of old lawns. Quickly takes hold where the grass is thin and in hard or worn spots. 1 lb. 65c., 2 lbs. \$1.20, 10 lbs. \$5.00, 25 lbs. \$12.00, 100 lbs. \$45.00.

THORBURN'S POLO AND PLAY-GROUND MIXTURE

Produces a turf of good color and texture which withstands hard wear. 10 lbs. \$4.50, 25 lbs. \$10.50, 100 lbs. \$40.00.

THORBURN'S SPECIAL SHADY MIXTURE

Adapted for shady places under trees or close to walls and hedges. 1 lb. 55c., 2 lbs. \$1.00, 10 lbs. \$4.50, 25 lbs. \$10.50, 100 lbs. \$40.00.

THORBURN'S SEASHORE MIXTURE

Specially compounded for successful sowing in sandy soil and under difficult climatic conditions, etc. 1 lb. 55c., 2 lbs. \$1.00, 10 lbs. \$4.50, 25 lbs. \$10.50, 100 lbs. \$40.00.

THORBURN'S TERRACE MIXTURE

Suitable for terraces. Compounded of grasses which take root in such a way as to prevent erosion, yet give a beautiful turf. 1 lb. 65c., 2 lbs. \$1.20, 10 lbs. \$4.50, 25 lbs. \$10.50, 100 lbs. \$40.00.

FOR LAWNS

GRASS SEED MIXTURES FOR MEADOWS AND PASTURES

It is a well-ascertained fact that thicker and more prolonged growth is produced by a mixture of many sorts of grasses than by only one or two. For every different kind and condition of soil there are grasses that are especially suitable. Some sorts do best on high ground and in dry weather; others prefer plenty of moisture. Some mature so early and others so late that from the beginning of spring until winter sets in there is no time when one species or another is not at its best. Grass Seed may be sown either early in spring or in fall, from the first of September to the middle of October; in this latitude the best time to sow meadow Grass Seed is during the late summer and early fall, that being the natural seeding time for grass. This will, of course, not give very much of a crop the following year; the grass will be fine and thick, but rather short, and not a heavy yield. The best meadows are seeded alone, without any "nurse" crop, while if seeded with rye, that crop being the stronger and quicker grower, will monopolize the ground so that it will be another year before much of a crop of grass can be had.

For over a hundred years the House of Thorburn has made a specialty of grasses. We were probably the first to introduce to this country, for commercial distribution, the many valuable natural and cultivated foreign species that now take such an important part in our agricultural economy. The formation of permanent pastures and meadows has, for many years, been a subject of careful study with us, and the Thorburn Mixtures for seeding grass-lands have received universal recognition. The quantities given are the minimum and may often be increased to advantage.

Prices f.o.b. New York and subject to market fluctuations without notice

MEADOW MIXTURES BOTH HAY AND PASTURE

For Light Soils.	100 lbs, to the acre	20 lbs. \$7.00	100 lbs. \$32.50
For Heavy Soils.	90 lbs. to the acre	7.00	32.50
For Woodland.	roo lbs. to the acre	8.00	35.00

PASTURE MIXTURES

For Light Soils.	80 lbs. to the acre	\$7.00	\$32.50
For Heavy, Wet Soils.	80 lbs. to the acre	8.00	35.00
For Woodland.	90 lbs. to the acre	8.50	40.00

If areas to be sown contain both light and heavy spots, we recommend that they be sown separately with the proper mixtures. This method is more economical than using a mixture presumed to be adapted to such a composite situation.

	If You Desire to Sow for HAY ONLY, Use			
	, in the second of the second		25 lbs.	
TIMOTHY.	Best Grade. 20 lbs. to the acre	\$r.85	\$4.25	\$16.00

WET GROUND. We strongly recommend that wet ground be sown in late August. Such areas are usually foul with weeds and in addition are water logged in early spring, rendering it impossible to properly prepare the seed bed. The weeds crowd out the young grass and a poor stand is obtained. In August the ground is dry and warm, the weeds have finished growing, consequently the grass, which by nature grows best in the early fall, quickly establishes itself before winter.

GRASS SEEDS

INDIVIDUAL VARIETIES

The price of the best grade is often double that of the ordinary. The Grass Seeds here offered by us are in every case the VERY HIGHEST GRADE.

Weights per bushel given are not in all cases actual but those recognized by the wholesale trade as standard.

Price f. o. b New York and subject to change. Not less than 1 lb. of any one kind sold.

- AGROSTIS TENUIS (Rhode Island Bent.) Colonial Bent. The seed offered is New Zealand grown. (Bu. 16 lbs.) 1 lb. \$2.50, 10 lbs. \$24.00, 25 lbs. \$57.50, 100 lbs. \$215.00.
- AGROSTIS SPP. (South German Mixed Bent).
 Collected in the forests of Germany. (Bu. 16 lbs.) 1 lb. \$3.00, 10 lbs. \$28.50, 25 lbs. \$70.00, 100 lbs. \$260.00.
- AGROSTIS PALUSTRIS or ALBA (American Red Top.) Probably the best grass for lawn mixtures to be used along the Atlantic Seaboard. Readily adapts itself to a wide range of soils and does best under acid conditions. (Bu. 36 lbs.) Fancy Recleaned Seed. I lb. 45c., 10 lbs. \$4.25, 25 lbs. \$9.00, 100 lbs. \$34.00.
- BERMUDA GRASS (Cynodon Dactylon). Used in the South for lawns. Will grow on light, sandy soils or in pure sand. (Bu. 36 lbs.) 1 lb. 55c., 10 lbs. \$5.00, 25 lbs. \$12.00, 100 lbs. \$45.00.
- BLUE GRASS, CANADIAN (Poa Compressa). Sometimes used as an adulterant for Kentucky Blue Grass. Very enduring. Will stand close cropping. Prefers heavy soil, but will grow almost anywhere. (Bu. 14 lbs.) I lb. 40c., 10 lbs. \$3.75, 25 lbs. \$8.50, 100 lbs. \$33.50.
- BLUE GRASS, KENTUCKY (Poa Pratensis). Considered one of the best lawn grasses. On sweet soils it is beyond doubt the most satisfactory pasture and hay grass known. (Bu. 21 lbs.) I lb. 50c., 10 lbs. \$4.50, 25 lbs. \$11.00, 100 lbs. \$42.00.
- CREEPING BENT (South German Mixed Bent). See Agrostis Spp.
- CRESTED DOGSTAIL (Cynosurus Cristatus).
 (Bu. 24 lbs.) I lb. 60c., 10 lbs. \$5.75, 25 lbs.
 \$14.00, 100 lbs. \$55.00.
- CHEWING'S NEW ZEALAND FESCUE (Festuca Rubra). A creeping-rooted species which forms a close and lasting turf. (Bu. 24 lbs.) I lb. 95c., 10 lbs. \$9.25, 25 lbs. \$22.00, 100 lbs. \$85.00.
- ENGLISH or PERENNIAL RYE GRASS (Lolium Perenne). In many parts of Europe fills the same place that Timothy does in this country. In the United States, however, it is used exclusively in lawn mixtures, as it will produce an excellent lawn within a few weeks of sowing. (Bu. 28 lbs.) I lb. 30c., 10 lbs. \$2.75, 25 lbs. \$5.75, 100 lbs. \$22.00.

- HARD FESCUE (Festuca ovina duriuscula). (Bu. 20 lbs.) I lb. 75c., 10 lbs. \$7.25, 25 lbs. \$17.50, 100 lbs. \$65.00.
- ITALIAN RYE GRASS (Lolium Italicum). For practical purposes may be considered an annual recommended for winter lawns in the South to follow Bermuda grass. Good also for temporary pasture. (Bu. 24 lbs.) 1 lb. 30c., 10 lbs. \$2.75, 25 lbs. \$5.75, 100 lbs. \$22.00.
- MEADOW FESCUE (Festuca Pratensis). English Blue Grass. A pasture grass par excellence. Prefers deep rich soils. Very permanent. (Bu. 24 lbs.) 1 lb. 30c., 10 lbs. \$2.50, 25 lbs. \$6.00, 100 lbs. \$22.00.
- ORCHARD GRASS (Dactylis Glomerata). In vicinity of New York can be cut for hay June 1. Stands shade exceedingly well. It is a clump grass and should be sown heavily to insure a close stand. (Bu. 14 lbs.) 1 lb. 35c., 10 lbs. \$3.20, 25 lbs. \$7.50, 100 lbs. \$30.00.

PHLEUM PRATENSE. See Timothy.

- POA TRIVIALIS (Rough Stalk Meadow Grass). Will abide heavy shade provided situation is damp. We are now using this variety in our Shady Mixture to the exclusion of Wood Meadow Grass, as we have found the latter not suited to this climate. (Bu. 18 lbs.) 1 lb. \$1.10, 10 lbs. \$10.00, 25 lbs. \$24.50, 100 lbs. \$90.00.
- RED FESCUE (Festuca Rubra). Creeping Fescue. Native of Europe. Somewhat stoloniferous in habit. Used in this country for lawn mixtures. Care should be exercised in purchasing, as Hard or Sheep Fescue is sometimes substituted for it. (Bu. 24 lbs.) 1 lb. 95c., 10 lbs. \$8.75, 25 lbs. \$21.00, 100 lbs. \$80.00.
- RED TOP. See Agrostis Palustris.
- RHODE ISLAND BENT. See Agrostis Tenuis.
- ROUGH STALK MEADOW GRASS. See Poa Trivialis.
- TALL MEADOW OAT GRASS (Avena Elatior). One of the best grasses for permanent pastures. Can be cut twice each year. (Bu. 20 lbs.) 1 lb. 60c., 10 lbs. \$5.50, 25 lbs. \$13.25, 100 lbs. \$50.00.
- TIMOTHY (Phleum Pratense). The Standard Hay Crop of America. (Bu. 45 lbs.) 1 lb. 20c., 10 lbs. \$1.85, 25 lbs. \$4.25, 100 lbs. \$16.00.



CLOVERS



We quote present prices on Clovers f. o. b. New York as near as it is possible to offer them at, as we go to press. We shall be very glad to quote prevailing prices on all of them from time to time, and we solicit inquiries. It is understood, of course, that all are subject to market fluctuations without notice. Clover may profitably be included in your crop rotation to increase the fertility of the soil.

Bags Extra at Cost

ALFALFA, or LUCERNE (Medicago sa quires deep, rich, well-drained soil, u limed. The tap-root descends often of 10 to 15 feet in loose soil. It is capable of resisting great droughts. I sown alone (about same time as oat in this section) in thoroughly preparation of the acre. It may also be sown as late and up to the middle of September in rerly localities. The crop should be the plant is coming into bloom. In sit is perennial, and several crops in	sually well to a depth onsequently t should be s are sown red, deeply pounds to e as August nore south cut when uitable soil nay be cut
every year. American seed. (Bu. 60	lbs.)
Lb\$0.40 25 lbs	\$8.00
10 lbs 3.50 100 lbs	30.00

ALFALFA, GRIMM'S. Absolutely hardy, succeeding where all others fail. Sow 20 to 25 pounds to the acre. (Bu. 60 lbs.) Lb. \$0.85 | 25 lbs. \$18.75 10 lbs. 70.75 | 100 lbs. 70.00

ALSIKE, or HYBRID CLOVER (Trifolium hybridum). A perennial, 1 to 3 feet high, succeeding best in cold, stiff soils, and in marshy lands

which are too wet for other species. It grows well in the Far North and in high altitudes. A good honey plant for bees. Sow 15 pounds to the acre. Lb. \$0.40 | 25 lbs. . . . \$8.00 10 lbs. 350 | 100 lbs. 30.00

BOKHARA CLOVER (Melilotus alba). White Blossom Sweet Clover. Valuable sort for soiling and for ensilage and bees. Grows from 3

to 5 feet high; sown in rich soil, it may be cut three times; lasts for years if cut before flowering. Sow 15 pounds to the acre.
Lb.\$0.30 | 100 lbs......\$22.00

RED CLOVER, MEDIUM (Trifolium pratense). One of the most valuable farm crops of the Eastern states for pasture, hay or for turning under for green manure. Sow 15 pounds to

Lb. \$0.45 | 25 lbs \$9.50 to lbs 4.00 | 100 lbs 35.00

CRIMSON, or SCARLET CLOVER (Trifolium incarnatum). Erect annual, 1 to 2 feet high, with bright scarlet flowers. A native of southern Europe; largely grown in our Southern states for improving the soil by turning under. Will not endure severe frost and cannot be depended upon to stand the winter north of New Jersey. It is a valuable crop for pasturage or green manure. For hay, cut when in full bloom. Cattle are very fond of it. Sow 20 pounds to the acre.

WHITE CLOVER (Trifolium repens). White Clover is of dwarf habit, spreads rapidly and is very hardy. It is valuable in permanent pastures, being sweet and nutritious and forms a close herbage which stays green throughout the year. Sow in spring, 8 to 10 pounds to the acre. At the present time White Clover is extremely

scarce and high. Lb. \$0.90 | 25 lbs. . . . \$22.00 10 lbs. 9.00 | 100 lbs. 85.00



Mulford Cultures are prepared for:

Alfalfa Crimson Clover Sweet Clover Red Clover

Alsike Clover Burr Clover Cow Peas Soy Beans Peanuts

Vetch Lima Beans Velvet Beans Sweet Peas Garden Peas Garden Beans

Lespedeza Beggar Weed and others

Always specify on your order what crop you want to inoculate, as there is a different strain of bacteria for each legume.

PRICES:	5-Acre Size (Dollar per Acre)	\$5.00
	1-Acre Size	1.50
	1/4-Acre Size	.75
	Small Size (Supplied only in	
	four varieties, for Garden	
	Peas, Garden Beans, Lima	
	Beans and Sweet Peas)	-35

FIELD CORN

(56 pounds to the bushel.) All grown especially for seed. Prices F. O. B. New York and SUBJECT TO CHANGE WITHOUT NOTICE.

FLINT	VARIETIES Ot. Peck Bus.
CANADA EARLY YELLOW. Very early; yellow KING PHILIP. Early; reddish yellow flint; 8-re LONGFELLOW (Yellow Flint). Small cob and SANFORD LARGE (White Flint)	ow flint; 8-rowed
DENT	VARIETIES
CHAMPION WHITE PEARL. Large grain; 14 to IOWA GOLD MINE. Dent; deep grain; ripens IOWA SILVER MINE. Large grain; dent; white LEAMING EARLY. Large; deep grains; dull y	in about 90 days
FODDER AND E	NSILAGE VARIETIES
CUBAN GIANT ENSILAGE. Very prolific RED-COB ENSILAGE. Abundant herbage; tall VIRGINIA HORSE-TOOTH. For fodder and EUREKA WHITE ENSILAGE. SWEEPSTAKE LUCE'S FAVORITE.	growth; fine
POP-CO	RN (Shelled)
GOLDEN QUEEN RED BEAUTY SILVER LACE WHITE PEARL WHITE RICE MISCELLANEO	
BARLEY. Champion Beardless. The straw is good for green feed or, when cured, as hay. The grain in the hull is excellent poultry feed, and with hull removed is used for household purposes. Sow	RYE. Sow r½ bushels per acre. (Bu. 56 lbs.) Mammoth Winter. Very strong grower, producing a large crop of straw
broadcast 2 bushels to the acre. (Bu. 48 lbs.)	WHEAT. Winter. Sow 1½ bushels to the acre. (Bu. 60 lbs.)
bushels to the acre. (Bu. 48 lbs.) 1.75 6.2 MILLET. Golden. Extra large heads. Sow I bushel per acre. (Bu. 50 lbs.)	SUDAN GRASS. Very similar to Sorghum. Grows from 6 to 10 feet high. Sow after middle of May in rows 18 inches apart. 3 pecks to acre. (Bu. 40 lbs.). 1 lb.
feet high. Sow ½ bushel to the acre. (Bu. 35 lbs.)	try. Cultivate like corn. Sow 2 pecks to the acre. (Bu. 24 lbs.)75 2.75
VIEW .70 2.4	DIE DOLGITONI. CON III GIIIIS AL TAIC

.70

2.40 of 2½ pecks per acre. (Bu. 50 lbs.)

1.65 6.00

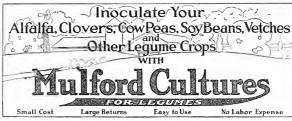
Swedish Select.....

FOR SOIL IMPROVEMENT AND FORAGE

Prices F. O. B. New York, Subject to Change without Notice.

	Peck	Bus.
COWPEAS (Vigna Catjang). Sow from May to July, 2½ bushels to acre. (Bu. 60 lbs.) Valuable for hay and plowing under.		
Whippoorwill. Brown-spotted seed; makes a good growth of vine	\$1.25	\$4.00
Black Eye	1.00	3.75
CANADA FIELD PEAS. Valuable for stock feeding; also for plowing under. 3 bushels to acre. (Bu. 60 lbs.) When sown with oats, 1½ bushels to acre	1.25	4.00
RAPE, DWARF ESSEX (Brassica Napus). Excellent for pasturing cattle. Sow from May to July in drills 5 pounds to acre. Broadcast 10 pounds to acre. (Bu. 50 lbs.) 1 lb. 25c., 10 lbs. \$1.75, 100 lbs. \$12.50	2.00	7.50
SPRING VETCH (Vicia Sativa). Sow broadcast in early spring, 2 bushels to acre, with oats 1 bushel. (Bu. 60 lbs.) 1 lb. 20c., 10 lbs. \$1.60, 100 lbs. \$12.50	2.00	7.50
WINTER VETCH (Vicia villosa). Can be sown in spring or fall. Mix with Rye to give support to vines. Does well on poor light soils, preventing erosion, and adds to fertility of land. Considered by many as superior to clover as a soil enricher. (Bu. 60 lbs.) 1 lb. 30c., 10 lbs. \$2.75, 100 lbs. \$25.00	4.00	15.00
SOY BEANS (Glycine Hispida). Fine for hog pasturage; sometimes mixed with cowpeas for green manure. If sown alone in drills 2½ inches apart, use 3 pecks per acre. Broadcast 1½ bushel to acre.		
Mammoth Yellow. (Bu. 60 lbs.)	1.00	3.75







COTTON FOR SEED PURPOSES

EARLY	SEA ISLANI	D TYPE.	An improved type, medium early. 69 balls to pound. 15/8	100 lbs.
			(Bu. 40 lbs.)	\$15.00
TRICE.	Very early.	Big ball.	Staple 1 inch. Disease resistant	15.00

VARIETIES NOT LISTED IN CATALOG

We continue to carry in smaller quantity many items which have more or less dropped out of popular regard. If wanted, these should be ordered by name. Cash is promptly refunded for varieties ordered, when we are unable to supply.



We have unquestionably the largest assortment of Flower Seeds in America, and our strains are far superior to those commonly sold, often under fancy names and at fictitious prices. We avoid extravagant descriptions, meant only to effect sales.

Flower Seeds Delivered Free in the U.S. on Receipt of the Stated Price.

EXPLANATION OF SIGNS EMPLOYED IN THIS LIST

The Asterisk (*) designates ornamental-leaved plants. This mark (‡) prefixed indicates the climbers.

A represents Annual—lasting but one year.

B "Biennial—lasting two years.

Perennial-lasting three or more

years.

E Evergreen—retains foliage the en-

tire year. S represents Shrubs-plants of bushy habit. greenhouse plants.

g Bu 66 bulbous plants.

As a large number of Biennials and Perennials, if sown early, flower the first season from seed, this distinguishing mark (†) is affixed to such.

The hardiness is denoted by the following abbreviations, but it should be understood that this is intended to apply to the climate of the Middle Atlantic States. Farther North or South, these designations apply only in a comparative way.

The letter h represents hardy—plants for open border; hh represents half-hardy—plants that require to be forwarded in pots or frames; t represents tender—requiring protection.

Customers will find it more convenient to order by number, as indicated opposite each item.

GENERAL CULTURAL INFORMATION

Flower seeds are usually divided into Annuals, those living one year; Biennials, those living two years, and usually not flowering until the second year; and Perennials, those living from year to year. Annuals may be made to flower much earlier and many Biennials and Perennials may be made to flower the first year by starting early in hotbeds or in a window in the house.

For starting in the house, take shallow boxes about 3 inches in depth and bore half-inch holes in the boxes for drainage. Fill the box full of one-third good loam or garden soil, one-third Humus, which we supply in convenient quantities (or leaf mold will do), and one-third well-rotted manure, mixed thoroughly together and sifted through a fine sieve. Press lightly and sow seed on top of the soil, and cover lightly, pressing the earth lightly with a board. A good rule for covering seed in the house is to cover seed three times its own depth. But some seeds, such as Celosia, must not be covered even as much as this. Fine seeds like Petunia should be sown on top of the ground and just pressed in with the hand, watered with a fine spray and covered with glass until they come up; then the glass should be removed. Be careful not to water the young plants too much, as it will cause them to damp off. little moisture is necessary at the start.

When the young plants are well out of the seed-leaf, they must be transplanted into boxes, setting them about I inch apart, or they may be transplanted into small pots.



Celosia plumosa

FLOWER SEEDS—GENERAL CULTURAL INFORMATION, Continued

Transplant to the garden when the ground warms up to assure safety of the plants.

In sowing in the open ground, have the seed-bed well pulverized and cover the seeds from 5 to 8 times the size of the seeds, and press the ground lightly over them to preserve the moisture.

—If permission is given us to substitute, we shall use our best judgment in sending equally good sorts for those originally ordered, or a memorandum will be kept of any items not sent and the seeds will be forwarded as soon as they arrive.

ABRONIA

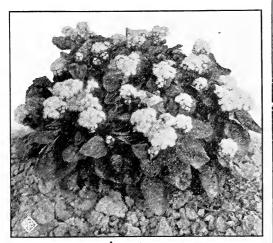
ABUTILON

Mixed Hybrids. (Chinese Bellflower; Flowering Maple.) Greenhouse shrub of easy culture; continuous bloomer; bell-shaped flowers; for house or garden. Grows 3 to 4 ft. high. ½2 oz. \$1.00..........55050 25

ACACIA (Tassel Tree)

Beautiful greenhouse shrubs; elegant foliage, graceful branches, and fine racemes of richly scented, yellow flowers. Soak the seeds in hot water before sowing, then plant in sandy peat at 55 to 60 degrees.

Baileyana.	6 to 10 ft	15
dealbata.	4 ft 55130	15
Fine Mixe	55290	τO



Ageratum

ACHILLEA

Ptarmica, Double, "The Pearl." Free-blooming, hardy perennial. The pure white flowers are borne in clusters on long stems. Fine for florists for cut-flowers. Succeeds well in any common garden soil; blooms all summer and fall. 1½ ft. ½ oz. \$2.00.

55340

ACONITUM

ACROCLINIUM

Showy, half-hardy annuals for the summer garden, with Everlasting flowers, which are much used for winter decorations. Flower-heads, to be preserved, should be gathered when young. I ft.

		Pkt.
roseum.	Rose55430	10
"	Mixed55470	10
"	Double Rose55490	10
"	Double Mixed 55530) 70

ADONIS

AGERATUM

For strengthening the garden's color-forces in blue, no annual is so good as the Ageratum. Though ordinarily used in bedding and borders, in contrast with such plants as geraniums, perillas, etc., the rose, white and blue sorts are exceedingly attractive when mingled with alyssum, candytuft, etc. They grow well almost anywhere and bloom the whole season. The dwarf blue sorts make fine borders. Sow under glass early in the season or later, outdoors in a mel-

AGERATUM—Continued low seed-bed. Seeds sown in August will p duce good plants for winter flowering.	oro- Pkt.
Blue Perfection. Fine dwarf variety, with large flowers. 9 in. 1/4 oz. 50c55740	10
Imperial Dwarf White. Excellent for edgings. 9 in	10
Little Dorrit. Azure-blue. Plants 6 in. high, 1 ft. wide. 1/4 oz. 50c	10
Little Blue Star. Bright blue flowers, fine for carpet bedding. 5 in55810	25
Swanley Blue. A fine, large-flowered sort. r ft	10
Fine Mixed. 1/4 oz. 40c	10

AGROSTEMMA

All of easi					
mer and a	autumn. "	The Rose	of Hea	aven" is	very
free-flowe	ring and	fine for	cut-fl	owers.	The
	mpion" is				
dry situa	110115.				Pkt.
Coeli-rosa	(Rose of	Heaven). hA	. Rose	
1⅓ ft				55860) 10

1/2 11	10
†coronaria (Rose Campion). hP55880	10
† " Mixed. hP. 2 ft55910	10
†Flos-Jovis (Flower of Jove). hP. Rose. 1 ft	10

*AMARANTHUS

Strong-growing, highly ornamental tender annuals. The Tricolor varieties are very valuable for bedding, having elegant, ornamental foliage, variegated crimson, yellow and green; also well adapted for growing in pots. Of easy culture, doing best in rich loam soil. For best results sow in hotbed in April and plant out the end of May. Please note that seed saved from the finest sorts frequently produces inferior plants.

	Pkt.
*bicolor ruber. Red. 2 ft56150	10
*cruentus (Prince's Feather). Dark red. 3 ft56160	
*caudatus (Love-Lies-Bleeding). Dark red. 3 ft. Oz. 30c56170	
*tricolor (Joseph's Coat). Variegated. 2½ ft. ¼ oz. 30c., oz. \$1.00	10
*Fine Mixed. 1/4 oz. 20c., oz. 60c56250	10

ANCHUSA

Both the annuals and perennials of this attractive plant succeed well in the garden border. Fine for cut-flowers and bouquets.

Pkt.

capensis (Cape Forget-Me-Not). hhA. Azure-blue. 1½ ft	10
italica, Dropmore variety. hP. Blue. 3 ft. 56340	10



Alyssum maritimum

ALYSSUM

Most popular, free-blooming annual; suitable for borders, baskets, pots, rockwork, and for cutting. In the garden sow thickly so as to form masses, early in spring or even the previous autumn. For winter bloom sow late in August and thin the seedlings to about a dozen for a good-sized basket. Cut back after the first flowers fade and others will come.

maritimum (Sweet Alyssum). hA. Fragrant white flowers, in clusters, all summer. 1 ft.	
Oz. 6oc	10
compactum lilacinum (Lilac Queen)56055	10
" Little Gem. Grows erect. 6 in. \(\frac{1}{4} \) oz. 25c., oz. 75c56060	10
procumbens, White Carpet. Of trailing habit, forming a dense mass. ½ oz. 3oc., oz. \$1.00	10
Thorburn's Bouquet. Very dwarf and compact; for pots and borders. 3 in. ½ oz. 30c., oz. \$1.0056080	10

30c., oz. \$1.00	10
saxatile compactum (Gold Dust). hP. Single	
plants cover a square foot in a year and	
produce hundreds of yellow flower-heads. 1 ft. 1/4 oz. 40c., oz. \$1.40	15

ANAGALLIS

grandiflora,			
hardy anni	ials of easy of	culture; fine	e for bor-
ders or re	ockwork; cor	itinuously	in bloom.
6 in			56300

ANEMONE

10

(Windflower.)				
nials, produc				
Invaluable fo	or cutting;	require	rich,	deep
soil. 1 to 2				
caranaria Caar	Mirrod		54	337N

The Aster will thrive in any soil, from a light sand to a heavy clay.

Cover seed with ½ inch of soil. If the soil is too poor, add a good supply of Ground Bone, mixing

thoroughly.

Seed sown in the open ground in May will produce plants that will bloom finely in September and October. When the plants have three or four leaves, transplant, 12 to 18 inches apart each way, into well-prepared beds. Never allow a crust to form, as it prevents the air from entering the soil and allows the moisture to escape rapidly. If watering is necessary, give the plants a good soaking-do not merely sprinkle them.

For July and August flowers, sow in March or April in the coldframe, spent hotbed, or in pots and boxes indoors. Water thoroughly when necessary, and allow surface to become dry before water-

ing again. Transplant as directed above.

Many of our customers have complained that the listing of Asters is too confusing. We have, therefore, simplified our list as much as possible. As we have taken extreme care to stock only the very best strains, you may be assured of satisfactory blooms.

ALL PACKETS 10c.

AMERICAN BEAUTY

Late The Giant Branching type with large full flowers
The Giant Branching type with large full flowers
and incurved petals, borne on stout stems. Mos
desirable for cutting. ¼ oz
Lavender
Azure Blue50115 1.2
Purple
September (Shell Pink)50130 1.29
Rose
Mixed
Collection of 5 colors as above. (5 pkts.
45c.) 50144

BRANCHING, or INVINCIBLE

Late Forms broad bushes, with large, long-petaled flow-

ers, graceful and feathery in effect; excellent for cut-flowers. 2½ ft. Crimson \$0.50 Flesh Pink (Mary Semple)......50147 .50 Lavender50150 .50 Dark Blue......50152 .50

Purple50158 .50 Rose50160 .50 White50165 .50 Mixed50170 .40 (7 pkts. Collection of 7 colors as above. 6oc.)50180

HEART OF FRANCE. Beautiful rich, ruby red. 1.25 SENSATION. The reddest Aster of all. Flowers large and finely formed. 50220 1.25

CREGO GIANT, COMET or OSTRICH PLUME

Midseason				
Petals wavily reflected, curled and twisted; flowers				
of extraordinary size and beauty.		¼ oz.		
Lavender	50272	\$1.00		
Light Blue		1.00		
Crimson		1.00		
Purple		1.00		
Rose		00.1		
Pink		1.00		
White		1.00		
Mixed		1.00		
Collection of 7 colors as above.				
65c.)	50310			
INVINCIBLE—See Branching.				

KING. or RAY

Produces showy flowers on long stems. The	
are very large, with long, narrow petals;	strong
grower.	¼ oz.
Crimson50640	\$1.25
Lavender50642	1.25
Pink50644	1.25
Azure Blue50645	1.25
Rose50646	1.25
Violet50648	1.25
White50650	1.25
Mixed50652	1.10
Collection of 7 colors as above. (7 pkts.	
65c.)50660	

OHEEN OF THE MADEET

QUEEN OF THE MARKET
Early
The best very early Aster, growing not over 1
foot high; excellent for bouquets. 14 oz.
Dark Blue
Light Blue50730 .50
Crimson
Rose
Scarlet
White
Mixed
Collection of 6 colors as above. (6 pkts.
5oc.) 50770
6

MIXED QUILLED51130 SINGLE FLOWERING VARIETIES

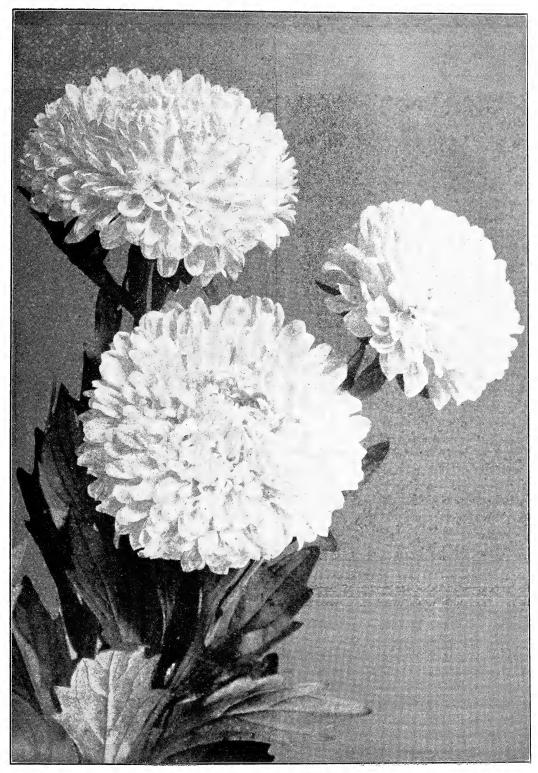
	¼ oz.
Dark Blue	51132 \$1.00
Lavender	51134 1.00
Marshal Joffre, Scarlet	51136 1.00
White	51138 1.00
Mixed	51140 1.00

PERENNIAL ASTERS

Hardy perennials of much beauty in the autumn days. Less showy than the Chrysanthemum, they are more refined in color and form. Easy to cultivate and fine for cutting.

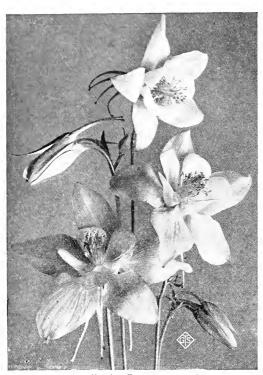
All Sorts Mixed. Extra fine, from a splen-did collection; sown early in spring, they will flower the same year..51150 \$1.00

All Packets of Asters, 10c.



Aster, Queen of the Market





Aquilegia, Long-spurred

AQUILEGIA (Columbine)

Few hardy perennials are so easily grown from seed, and give such unalloyed satisfaction. A most desirable border plant. It forms large clumps, blooms early, long and abundantly, is useful for cutting and elegant in habit. Sow seed in the open ground in spring, preferably where the plants are to grow, and thin to about a foot apart. Sow in the fall for flowering the following season. They thrive well under ordinary garden culture, but such rare sorts as A. carulea and A. chrysantha do best in partially shaded, well-drained nooks.

	Pkt.
californica hybrida. Orange-red and yellow; splendid. 2 ft. 1/8 oz. 6oc56500	15
canadensis. Scarlet and yellow; for shade. $1\frac{1}{2}$ ft. $\frac{1}{8}$ oz. 50c56510	10
chrysantha. Golden yellow; flowers large, long-spurred. 3 ft. ½ oz. 60c56520	10
caerulea (Rocky Mountain Blue Columbine). Sepals blue, petals white. 3 ft. 1/8 oz. \$1.00. 56530	15
Long-spurred Hybrids, Extra Choice Mixed. 5 pkts. \$1.0056585	25
vulgaris, Double Mixed. Best colors56620	10
"Single Mixed. Many good sorts. 1/8 oz. 50c56630	10
ANTIRRHINUM. See Snapdragon.	

ANTHEMIS

Produces daisy-like, golden yellow flowers all summer; fine for cutting.

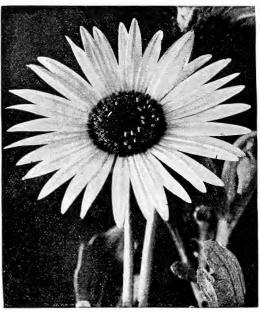
Kelwayi tinctoria. hP. Fine, large flowers on good stems. 2 ft. 1/4 oz. 60c.....56460 10

ARABIS

An early-flowering, hardy perennial especially suited for edgings and rockwork, becoming a sheet of white bloom in early spring. Grows sheet of white bloom in cars, or about 6 inches in height; of easiest culture.

Pkt.

alpina (Rock Cress). White. 9 in. 1/4 oz.



Arctotis Grandis

ARCTOTIS (African Daisy)

grandis. White and lilac. The large, daisylike blooms of this fine hardy annual are excellent for cutting. 2 ft. 1/8 oz. 40c.

±ARISTOLOCHIA

Sipho. hP. The "Dutchman's Pipe" Vine.

ASPARAGUS

Beautiful, fern-like foliage; fine for bouquets; an excellent house plant; white flowers.

plumosus nanus. gP. The dwarf variety so largely used by florists. 100 seeds \$1.00.

Sprengeri. gP. Fine for basketwork and for use with cut-flowers. 1/8 oz. 50c....56890 15

ASPERULA

Sweet-scented, pretty plants for borders or rockwork; succeed finely in shady places; continuously in bloom. 1 ft.

odorata (Sweet Woodruff; Waldmeister). hP. White. ¼ oz. 50c.........................56930 10

ASTERS. See page 48.

AUBRIETIA

hP. Trailers for beds, rockwork, or herbaceous borders; resemble alyssum.

deltoidea. Lilac; very pretty......56960 15

BACHELOR'S BUTTON. See Centaurea and Gomphrena.

AURICULA (Primula auricula)

Finest Mixed. hP. Beautiful shades of color. These early spring-blooming garden Primroses are great favorites. 6 in......57020

BALLOON VINE

(Cardiospermum.) A pretty and fast-growing, half-hardy annual climber, with white blossoms. 10 ft. 1/4 oz. 20c., oz. 60c....57080 10

BALSAM

(Lady's Slipper.) These favorite half-hardy annuals are of the easiest culture, but love hot sun, rich soil and plenty of water. The young plants are quick, sure growers, and, from seed sown in the open ground in May, soon form handsome bushes thickly massed with large, roselike flowers. Transplanting two or three times has a tendency to dwarf the plants into better shape and to make the flowers more double. Balsams are not often given room for perfect development; they will easily cover 12 to 18 inches of space each way. For the finest flowers choice seed is more than usually essential. We offer only the finest double sorts. 11/2 ft.

Finest Double, Mixed. A splendid assort-

CAMELLIA-FLOWERED. Flowers of extra size, double, and full centered, with reflexed petals. The plant grows rapidly to a good height and is extremely floriferous.

Camellia-flowered, Crimson. Oz. \$1.00.57167 10

White. Oz. \$1.00...57170

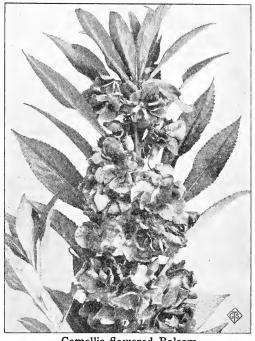
Lilac. Oz. \$1.00.....57172

Light Pink. Oz. \$1.00.57174 10

Mixed. Best colors. Oz. \$1.00.

57190

BALSAM APPLE. See Momordica.



Camellia-flowered Balsam

BARTONIA

Golden yellow. Beautiful hardy annuals that bloom all season; very fragrant in the evening. 3 ft. 1/4 oz. 50c....57300 ro

BEGONIA

gP. Begonias are invaluable for growing in beds and borders; also for pot culture, being perfect in habit, with very handsome foliage. Average height about I foot. The tuberous-rooted varieties produce gorgeous effects in the garden and are one of our best summer-blooming plants. The seeds of all varieties should be started early.

Single, Tuberous-Rooted, Mixed.....57420 25 Double Tuberous-Rooted, Mixed.....57430 25 Dark scarlet; reddish gracilis luminosa.

brown foliage; winter-flowering; fine for semperflorens rosea, Fibrous-Rooted. Rose-

colored flowers; fine for edging**57500** alba. White flowers, borne in

profusion57510 Vernon. Red; for borders.

57540 Mixed57570

BELLIS perennis. See Daisy.

*BOCCONIA japonica

A very ornamental, hardy perennial; fine in large beds; flowers white. 6 ft. 1/4 oz. 50c. 57650 10

BRACHYCOME

The well-known "Swan-River Daisy" is a beautiful, little, half-hardy annual; blooms all summer; fine for edgings and borders. Should be started in hotbed. I ft.

iberidifolia. Mixed.......57740 10

BROWALLIA

(Amethyst.) Half-hardy, profuse-blooming annual, highly prized for summer bedding or as greenhouse plants. Fine for cutting. 2 ft.

CALCEOLARIA

The seeds are very small, and should be sown in the greenhouse on the surface of shallow boxes filled with a light, sandy soil, which has been sifted. Sow moderately thick in rows on the surface and cover very lightly with sifted sphagnum moss, cocoanut waste or very light soil. Press the soil firmly on the seed. The watering should be done carefully; an atomizer or brush is best. To retain the moisture the box may be covered with a pane of glass, which must be removed as soon as plants appear. Soil should be light and rich.

CALENDULA

Hardy annuals about I foot high. Sow in the open early in spring and the plants will bloom early in summer. The striking orange, red and yellow blooms are very effective and attractive, growing on stout, long stems. Excellent for cutting and produced in great profusion until late in autumn

Officinalis fl.-pl. grandiflora (Orange King).

Double; large-flowered; deep orange. ½ oz. 50c......58160

Sulphur Crown. ½ oz. 25c..58175

Meteor. Creamy center, edged

best. ¼ oz. 25c...........58200 10 pluvialis (Cape Marigold). White or ivory. 58220 10



Calendula Officinalis

CALLIOPSIS

This hardy annual is another of the garden's great forces in yellow, strengthened with rich redmaroons and browns. Sow in open ground in spring, and, in thinning or transplanting, give the plants plenty of room to spread. Their tall, slender habit makes neat staking and tying necessary. Fine for cutting.

COREOPSIS

(Perennial Calliopsis). One of our finest hardy perennials; blooms practically all summer; fine for borders and groups.



Calliopsis

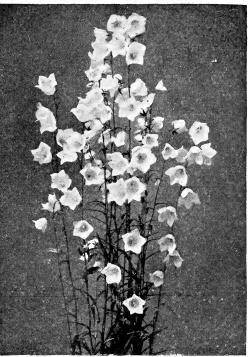
CAMPANULA

(Canterbury Bells.) Popular and beautiful are Campanulas. Although the Canterbury Bells are biennials, they may also be treated as annuals, and will flower the first year from seed, if sown early in the spring. For effect in the border, plant them in clumps of separate colors, and they are beautiful when massed. The perennial varieties, treated as perennials, will flower most profusely by mid-summer. The tall and stately growing kinds will be found of great value for the border, while the dwarf sorts make charming rock and edging plants. All the varieties like a rich, sandy soil with good drainage.

drainag	ge.	Pkt.
carpatica	. hP. Deep blue; for rockeries,	
_	beds and edgings. 6 in. 1/4	
	oz. 75c 58530	15
"	alba. Flowers white. 6 in. 58540	15
Medium.	Single Blue (Canterbury Bells). hB.	_
•	Blooms first year if sown early.	
	2 ft. ¼ oz. 50c58560	10
"	Single White. Pretty for contrasts.	
	¹ / ₄ oz. 50c	10
"	Single Rose. 1/4 oz. 50c58580	10
"	Single Mixed. 1/4 oz. 50c58600	10
"	Double Blue. Rich, heavy, curious	
	flowers through summer and fall.	
	58610	15
"	Double White. Waxy appearance.	
	58620	15
"	Double Rose58630	15
"	Double Mixed. 1/4 oz. 75c58640	15
"	calycanthema (Cup-and-Saucer).	
	hB. Blue; symmetrical; often has	
	35 to 40 flowers open at same time	
	on a single plant; for pots or bor-	
	ders. 2 ft58650	15
"	calycanthema alba. A white-flow-	
	ered variety of the above. 1/4 oz.	
	\$1,0058660	15

CAMPANULA—Continued

	Pkt.
Medium, calycanthema rosea. Rose. A very	
fine sort. ¼ oz. \$1.0058670	
" calycanthema, Mixed. Shades of	
blue and white. 1/4 oz. 75c 58680	
" Prize Mixture of all colors, Single	
and Double and Calycanthemas;	
an unequaled strain58700	15
persicifolia grandiflora, Blue. hP. Superb	
large flowers and long, narrow,	
peach-like foliage. For finest	
effect plant the blue and white	
varieties together. 2 to 4 ft.	
June and July. ¼ oz. \$1.50.	
58770	
" grandiflora alba. A white-flow-	
ered variety of the above, grow-	
ing to the same height. 1/4 oz	
\$1.50	
grandinora, rine mixed56750	-
pyramidalis (Chimney Bellflower). hhP. Spikes	
3 to 4 feet tall, erect, pyra-	
midal; large blue flowers;	
blooms in late summer and au-	
tumn. ¼ oz. 75c58800	
" alba. White. 1/4 oz. 75c58810	
Wilked. 74 02. 75c	15
See, also, Platycodon.	



Campanula Persicifolia

CANARY-BIRD FLOWER

(Tropæolum canariense.) Also known as Canary Creeper. Fine, half-hardy annual; yellow flowers. 10 ft. 1/4 oz. 50c....58860 10.





Hyacinth-flowered Candytuft

CANDYTUFT

The Candytufts are among our best (Iberis.) hardy annuals for edgings, bedding, massing or rockeries, and for cutting. Several of the varieties are fragrant, and all are profuse in bloom. Sow outdoors in April, and thin well when the plants grow about an inch. Sow again in a month, and late in July for fall flowers. Give rich soil and water freely. coronaria (Rocket Candytuft). Of candelabra form; flowers in upright spikes. Oz. 75c......**58880** White. I ft. Empress. 30c., oz. \$1.00..........58885 Giant Hyacinth-flowered. flowers borne in large trusses. Small, white, fragrant. Oz. 75c. odorata. 58900 Purple. 1 ft. Oz. 75c....58905 umbellata. TO carminea. Carmine. 1 ft. . 58910 " carnea. Flesh colored. 58915 Dunnettii. Dark crimson. 1 ft. lilacina. Lilac. 1 ft....58925 10 Mixed. Oz. 50c......58938 Mixed Annual Sorts. Oz. 50c......58940 PERENNIAL CANDYTUFT. Hardy evergreen plants, making a magnificent showing the second year from seed. They bloom very early, cushioning rock ledges, borders, etc., with banks of bloom. Sow outdoors in spring or fall in any

sempervirens. White flowers remain fresh

nearly a month. 1 ft. 1/4 oz. 75c....58990

sunny place.

CARNATIONS

(Dianthus Caryophyllus.) The splendid Carnation of the florist is a very interesting plant to grow from seed, and it is not over-exacting. Sown under glass in early spring, or later in the open ground, the plants will flower finely the second summer. For largest, richest flowers we recommend culture in pots of rich soil. With many they are also garden favorites, and, grown in this way, flowers of good quality may be enjoyed all summer if given plenty of water, good soil and a mulch about their roots. With the tall varieties, staking and tying are necessary. Young plants are perfectly hardy outdoors, but when two or three years old they are injured by winter cold, so that sowings should be made every year.

MARGARET CARNATIONS are an extra-vigorous race, especially adapted for outdoor culture. They are very neat in habit and remarkable for their rich profusion of flowers, produced five months from sowing. Satisfactorily grown as annuals from seed every spring.

Giant Margaret. Malmaison Strain. Extra large and perfect, flowering in a rich variety of colors; 80 per cent of the flowers generally come double. A splendid sort for cut-

PERPETUAL CARNATIONS. large, elegantly formed flowers, continually abloom, upon closely branched, symmetrical plants, often called, from their neat habit, Tree

Chabaud Perpetual Double. Mixed-Yellow, Red, White, etc. Blooms in six months.

Marie Chabaud. Pure canary-yellow; the most beautiful and most fragrant yellow.

Jeanne Dionis. Enormous flowers of the purest white and most perfect form....59190

BORDER CARNATIONS, etc. We invite attention to the splendid varieties below.

Red Grenadine, Double. Brilliant scarlet.

Early Dwarf Vienna, Double Mixed. for garden culture and for cutting. 59290

Double Mixed......59370

THORBURN'S PERPETUAL **CARNATIONS**

See Colored Plate

FOR ELEGANCE OF FORM and perfection in coloring, these lovely out-door flowers outrival the choicest production of the greenhouse. Sown early they produce flowers the first year, and given a little protection over winter, they are a source of perpetual delight.

(59240)3 Packets \$1.25 Packets 50c.



*CANNA

(Indian Shot). hhP. Beautiful, ornamental foliage and large, brilliant flowers. Much employed in subtropical gardening, groups on lawns and mixed flower-beds. Soak the seed before planting. 4 ft.

Pkt.

indica, Fine Mixed......59035 10

CASSIA artemisioides

CASTOR-OIL PLANT. See Ricinus.

CELOSIA (Cockscomb)

CRISTATA. An annual of easy culture, most effective in the border. Transplanting into a rich soil about the time the combs begin to form makes the flower-heads much larger and they last from midsummer until frost.

Dwarf Bright Red. A miniature plant, with enormous combs of intense bright red. 1/4 oz. \$1.00..59530

" Dark Yellow. Yellow combs. 1/4 oz. \$1.00..59550

Mixed. Extra-large combs in all the preceding colors. 1/4 oz. 75c. 59570 10

Tall Crimson. 1/4 oz. \$1.00......59572

"Mixed. Very fine. 1/4 oz. 75c..59575

PLUMOSA (Plumed or Ostrich-feather). Beautiful annual foliage plants, blooming in late summer and autumn, and producing large, showy plumes, curled and curved, much resembling ostrich feathers. For beds and borders. 2 to 3 ft.

Ostrich-Feather, Crimson. 1/4 oz. 50c. 59590 10

"Finest Mixed. 1/4 oz. 50c.59605 10

" Finest Mixed. 1/4 oz. 50c.59605 or Orange. 1/4 oz. 50c.....59600 or

Rainbow. A magnificent strain of perfect habit, carrying enormous plumes from pale rose to deepest crimson and old gold.

pale rose to deepest crimson and old gold.

1/4 oz. \$1.00..59580

Pride of Castle Gould. Compact, feathery plumes. In shades of blood-reds, car-

mines, yellow and orange.........59620
Thompsonii magnifica, Mixed. Superb assortment of the plumed varieties.

4 oz. 75c. . 59640

Pompon (Chinese Woolflower). Brilliant scarlet; quite distinct.......59680



Rainbow Celosia

CENTAUREA

The popular Cornflower, Centaurea Cyanus, is also known as Blue Bottle, Ragged Sailor, and sometimes as Bachelor's Button. Bright-flowered plants of the hardiest nature and simplest culture, among the most attractive and graceful of all the old-fashioned flowers. The perennial sorts increase rapidly and bloom profusely.

PERENNIAL FLOWERING. A dry, sandy soil of moderate fertility seems to suit them best, keeping up a profusion of bloom all summer.

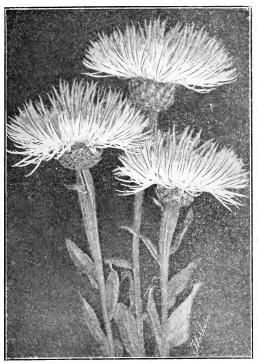
PERENNIAL, SILVER-LEAVED. These are used for borders or edgings, and thrive anywhere. Flowers white, leaves grayish; half hardy. I flet.

candidissima. Silvery white leaves. 59740 to gymnocarpa. Silvery white, small leaves.

HARDY ANNUALS. Flower finest in full sun and thin soil. Sow in open ground in spring. 1½ to 2 ft.

americana. Large, lilac-purple flowers; bushy plants; very fine; constant and profuse bloomer59780

alba. Pure white 59785 15



Centaurea

CENTAUREA—Continued

imperialis (Giant). A hardy annual of great beauty. The fluffy flowers, borne on long, stiff stems—yellow, purple, lilac, rose and white in color—are very beautiful. They are splendid for cutting.

White. Very large-flowered, hardy,

	and floriferous59790	15
"	Purple. Beautiful, velvety purple.	13
"	1/4 oz. 50c	15
**	Lilac. Very large-flowered; hardy;	
	the same as the white, except in	
	color. ¹ / ₄ oz. 50c 59810	15
"	Rose. Charming, glowing rose.	_
	1/4 oz. 50c	15
"	Mixed. Very large-flowered; hardy.	- 5
	1/4 oz. 50c	10
_		10
Cyanus	(Cornflower). Blue; delightful, old-	
	fashioned flowers, blooming pro-	
	fusely all summer; borne on long,	
	stiff stems, and fine for cutting.	
	1 to 2 ft. 1/4 oz. 75c59970	15
"	Emperor William. Blue, one of the	-)
	finest of all Cornflowers, and much	
"	used for cutting. 1/4 oz. 4oc59980	15
"	Double Blue. 1/4 oz. 75c59985	15
	Rose. Distinct shade; flowers borne	
	on long stems; good for cutting.	
	½ oz. 75c60010	15
"	Pure White. Very fine60030	15
"	Mixed. 1/4 oz. 40c60040	10
"	Double Mixed. 1/2 oz. 40c60050	10

CERASTIUM

CHRYSANTHEMUM

Do not confound these annuals with the winter-flowering sorts of the florists. They bloom profusely from early summer until frost, and, when grown in large beds or masses, their bright colors make a splendid show. The plants can be brought into bloom early by sowing the seeds in frames or window-boxes, and afterwards transplanting to the garden; or seed may be sown where the plants are to flower, if the seedlings are thinned to 8 to 10 inches apart. Pinching back in early growth makes the plants bushy and shapely. Average height, 1 to 1½ ft.

		Pkt.
coronarium	, Double sulphureum. Pale yel-	
	low 60370	10
"	Double Yellow. Golden yellow;	
	splendid60390	10
"	Double White60410	10
"	Double Mixed. Yellow, white,	
	etc. $\frac{1}{2}$ oz. 35c	10
	The tricolor sorts have beautiful r	
	The tricolor sorts have beautiful r	

and eyes of various colors, and are
distinctively handsome, with long
stems.

Pkt.

Burridgeanum. Crimson-maroon.



Annual Chyrsanthemum

CHRYSANTHEMUM—Continued		
tricolor.	Single Mixed. All colors. 1/4 oz.	1
	50C 60520	15
"	Double Golden (Dunnettii). 60530	15
1.6	Double White (Dunnettii)60540	15
44	Double hybridum, Mixed (Dun-	
	netti). ¼ oz. 40c60550	IO
*6	Morning Star. Single. Delicate	
	sulphur-colored blossoms; very	
	pretty. Equally good as a single	
	plant, or grown in masses in beds	
	or borders, as a cut-flower60372	15
**	Sultan. Crimson, with gold ring	
	near center	15
	W. E. Gladstone. Crimson and	
	violet	15
Leucanth	nemum (Shasta Daisy). hP. Extra-	
large;	pure white petals and brilliant, golden	
yellow	center. 2 to 21/2 ft60630	10

PERENNIAL VARIETIES. This section includes the large-flowered sorts, and the pretty, hardy Pompons that make bright masses of color in our gardens long after heavy frosts have cut down other flowers. We wish to make quite clear the distinction between this class and the Annual Chrysanthemums described above, so that, as has sometimes happened heretofore, customers may not order seed of the summer-blooming garden varieties, expecting them to yield the grand show flowers of late fall. For ordinary culture and room decoration, plants pinched back to form a number of branches, and holding from five to ten flowers, are satisfactory. Average height of show kinds, 3 ft.

indicum, Single. Will produce superb flowers of different types and colors; fine for forcing and cut-flowers. 60720 Double60730 Pompon. The pretty, hardy dwarfs, with bright, clustered flowers which brighten up the garden late in autumn. 1½ ft......60740

japonicum fl.-pl. From finest flowers. An extra-choice mixture, including many of the finest large-flowering double sorts...60750

CLARKIA

One of the prettiest and showiest of hardy annuals that bloom freely and have flowers of such various bright colors that a bed of them in full bloom is a beautiful sight; useful for hangingbaskets, vases and as edgings to beds of larger growing plants. Sow outdoors in early spring and grow in partial shade. The plants keep up a continuous bloom through midsummer to late autumn. Average height, 11/2 ft.

.1	all a Double William I/	Pkt.
elegans	alba, Double. White. 1/4 oz. 50c.	
	60960	15
"	rosea, Double. Rose. 1/4 oz. 50c. 60980	15
"	Scarlet Queen, Double. Orange-	
	scarlet	15
"	Single Mixed ¹ / ₄ oz. 30c60990	IO
"	Double Mixed 1/4 oz. 40c61000	15



Perennial Chrysanthemum

COSMOS

One of the notable fall flowers. A strong, tallgrowing annual, with bold flowers of exquisite daintiness and airiness heightened in effect by their foliage setting of feathery green. It is most effective when planted in broad masses or long background borders against evergreens or fences. We offer only the choice, largeflowering strains. To make sure of flowering early, Cosmos should be started indoors and transplanted into dry, sandy, or poor soil, in a sunny situation.

EARLY FLOWERING. Seed started early in	the
house or frame, will produce flowers a mo	nth
earlier than Mammoth Perfection.	Pkt.
Crimson. $\frac{1}{4}$ oz. 75c., oz. \$2.5061880	10
Pink. $\frac{1}{4}$ oz. 75c., oz. 2.5061890	10
White. ¹ / ₄ oz. 75c., oz. 2.5061900	10
Mixed. 1/4 oz. 6oc., oz. 2.0061910	10
Lady Lenox. Lovely, large, shell-pink flow-	
ers of great substance. One of the finest.	
1/4 oz. 50c., oz. \$1.50	10
Lady Lenox, White. Counterpart of above,	10
except as to color. 4 oz. 85c., oz. \$2.75.	
61925	15
Hybrida, Crimson. 1/4 oz. 75c61927	10
MAMMOTH PERFECTION. Large flowers	
on long stems, lasting until frost.	
Conchita. Crimson. 1/4 oz. 25c., oz. 85c.	
61930	10
Erlinda. White. 1/4 oz. 25c., oz. 85c.61940	10
Rosita. Pink. 1/4 oz. 25c., oz. 85c. 61950	10
Mixed. 1/4 oz. 25c., oz. 85c61960	IO
Klandala Onana allanda distint fili	

NEW DOUBLE VARIETIES-Pink Beauty. Crested. Soft pink..62074 20 White Queen. Crested. Pure white.62076 20 These called double crested, are not fully double, but are double crested, having double

Klondyke. Orange-colored; distinct foliage.

25

61990

centers and a row of petals around the base.



Cosmos



CINERARIA

One of the most useful and ornamental of greenhouse plants, with flowers of the richest and most brilliant colors and shades, and of the finest texture. It is rather a difficult plant to grow if its requirements are not understood. The mistake generally made is in growing it in a warm house instead of a cool one. The seed should be started in the greenhouse. For winter blooming sow in April and May in shallow boxes, in fine soil; drop the seed in shallow drills, cover and press the earth rather firmly with a piece of board or the bottom of a pot. Set the box where it will get the morning sun, water moderately and carefully. Average height, 2 ft.

	Pkt.
Large-flowered Stella, Mixed. Twisted and	
fluted petals; large flowers of very rich and	
bright colors60820	50
Large-flowered Prize Mixed60840	60
Splendid Mixed, Double60870	60
stellata (Polyantha). Mixed60880	50
HALF-HARDY PERENNIAL. Requires some	nro-
tection.	pro-

maritima (Dusty Miller). Silvery leaves. **60910** 10

CLEOME (Spider Flower)

Curious, ornamental, hardy annual, on castor-oil plant style. Blooms freely in sandy soil.

pungens (Giant Spider Flower). Pink. 3 ft.

COCKSCOMB. See Celosia. COLUMBINE. See Aquilegia. COREOPSIS. See Calliopsis. CORNFLOWER. See Centaurea Cyanus.

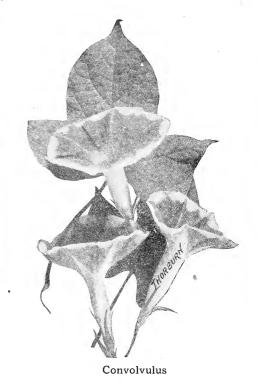
CONVOLVULUS

TALL. Beautiful and easily grown annual; rapid in covering screens, trellises, etc.

major (Tall Morning-Glory. Mixed. Finest colors. 10 ft up. Oz. 25c.....61690 Snow Fairy (Double Morning-Glory) . 61695 hP. Blue: trailing habit; mauritanicus. fine for baskets and rockeries....61700 10

DWARF. Dwarf Morning-Glories are elegant annuals for growing in clumps or beds; also for edgings and hanging-baskets; bushy, of easiest culture; bloom all season. 12 in.

tricolor	(minor). Blue61730	10
"	Rose61750	10
"	White61770	10
"	Mixed. Oz. 25c61780	10



CYCLAMEN

These bulbous greenhouse plants are among the best plants recommended for house culture, as they thrive well and bloom profusely in the average temperature of the living-room. If grown steadily without any check, they will flower in from ten to twelve months.

PERSICUM GIGANTEUM-

ENSICOM GIGANTEOM—	
	Pkt.
album, Mont Blanc. White62300	50
albo-rubrum. White with red eye62310	50
atropurpureum. Dark red62320	50
Brilliant Red. Wine-color62322	50
Daybreak. Light pink62325	50
Glory of Wandsbek. Dark salmon62326	50
roseum. Rose. 100 seeds \$3.2562350	50
Rosy Morn. Rich rose, shading to purplish	
tinge. 100 seeds \$3.2562355	50
Pure White. 100 seeds \$3.2562365	50
Mixed. Finest sorts. 100 seeds \$3.00.62380	50
Persicum, Mixed. 100 seeds \$2.75.62410	25

†COBAEA

Tender clim	bing perenni	ials of rapid	growth.	20 ft.
tecandene	Purnle	bell-shaped	flowers	Pkt.
-seatteens.		C		
+ "	alba Whi	te I/ 07 50	c 61340) 7.5

Plet

*COLEUS

gP. Splendid bedding plants with beautifully colored foliage; very useful for decorative purposes. 2 ft.

Large-leaved, Finest Mixed.......61420 50

COWSLIP

(Primula officinalis hybrida.) hP. Favorite spring flower; fragrant; mixed colors. 6 in. 62080

CUCURBITA. See Gourds.

†CUPHEA (Cigar Plant)

Pretty half-hardy perennial; fine border and potplant. I to 11/2 ft.

platycentra (Cigar Plant). Long-shaped, scarlet flowers all summer......62210 15

CYPRESS VINE. See Ipomæa Quamoclit.

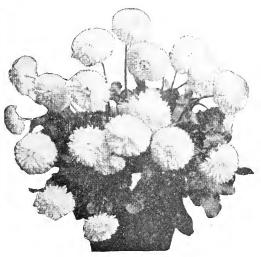


Dahlia

†DAHLIA

This favorite, half-hardy perennial is most easily grown from seed sown early in the house or greenhouse. Will bloom freely outdoors until frost the first season. 3 to 6 ft.

	Pkt.
Double Mixed62480	25
Single Mixed62490	25
Single Cactus, Mixed62500	50
Double Cactus, Mixed62505	50
Collarette. Our special strain of Collarette	
varieties contains a great variety of distinct	
shades and colors	2.5



Bellis (Daisy)

DAISY

(Bellis perennis, etc.) hP. May be sown in February or March in shallow boxes of light, rich soil, covering the seeds to about three times their own thickness, and pressing soil firmly over them. Keep in a warm window, hotbed or greenhouse. When well out of the seed-leaf, transplant to new boxes, and set out in the open ground when danger from frost is past. Or, sow in beds outside in August or September; protect with straw or litter over winter and transplant to their permanent position in the spring. They make delightful borders to beds of taller-growing annuals and can be used very effectively in beds of spring-blooming bulbs. 4 in.

4 in.		Pkt.
Double	Red62590	25
"	delicata rosea62595	25
"	Rose (Longfellow)62600	15
"	White (Snowball)62610	15
«	Mixed. Very fine62620	15
"	maxima alba. Extra large; white.	
	62630	25
"	maxima rosea. Extra large62640	25
"	monstrosa alba. Snowy white flowers.	
	62652	25
"	monstrosa rosea. Deep rose62654	25
"	monstrosa red62656	25
"	monstrosa, Mixed62660	25

SHASTA DAISY. See Chrysanthemum Leucanthemum.

DAISY, Swan River. See Brachycome.

DATURA

Showy, half-hardy annuals of rapid growth, with large, trumpet-shaped, fragrant flowers. 3 ft.

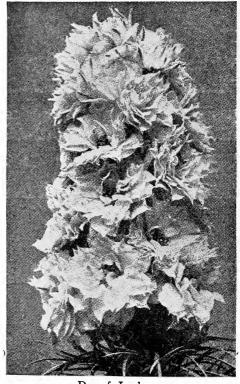
Pkt.

DELPHINIUM

(Larkspur.) In variety and beauty of its blue tints, which are as numerous as they are charming, no other plant can equal the Delphinium. The brilliant flowers are strongly effective in beds or masses, in borders, shrubberies, or in combination with white lilies. Improvements are continually being made in the size of the flowers, as well as in the length and fullness of the spikes. Some of the species flower both early and late; the season for all can be prolonged by cutting away withered flower-stems. All varieties are easily cultivated and adaptable to many conditions, but in a soil deeply dug and well enriched with fine old manure, their blooms are the finest. Setting them 1½ to 2 feet each way is not too much for the taller sorts.

ANNUAL VARIETIES. These include the Rocket or Hyacinth-flowered, so called from their long, narrow flower-spikes. They bloom best in a rather cool, moist soil. Sow seed in the open border, either in spring or fall, preferably the latter, so that germination may take place very early in the spring.

carry in the spring.	D1-4
Ajacis. Dwarf Rocket. Finest colors;	Pkt
Ajacis, Dwarf Rocket. Finest colors; beautiful for bedding. I ft. Oz. 60c	
Oz. 60c	IC
" Tall Rocket, Carmine62812	10
rurpie02014	10
" " White. 2 ft62830 " " Mixed Colors. 2 ft.	10
62840	10
" Tall Branching, Choice Mixed.	
2 ft. 1/4 oz. 25c., oz. 75c62870	10
" Double, Mixed62875	IC
Emperor, Branching, Mixed. 1/4 oz. 40c.	
62910	10
Blue Butterfly. 1/4 oz. 85c	15
	20
Newport Rose. A rose-colored and very	
beautiful, free-flowering sort. If sown	
outdoors in spring, it will bloom by the	
first of August, and make a lovely display. 2 ft	15
	-
PERENNIAL VARIETIES. These are usu taller than the annuals, requiring more s	ally
between the plants. If sown in the fall or	ace
early spring, nearly all will bloom the first	rciy sea-
son. Foliage clean and pretty; habit strong	and
neat: flower-spikes long and dazzling.	
	Pkt.
Barlowii. Large, dark blue flowers; extra fine. 3 ft. 1/4 oz. \$1.7562930	
	25
Belladonna. Lovely pale blue; handsome	
plant; comes very true from seed. One of the best. 4 ft	25
cardinale. Orange-scarlet. A California	25
native that makes a very showy plant	
when in bloom. 2 ft. $\frac{1}{4}$ oz. \$2.00.62960	25
chinense, Mixed (D. grandiflorum). Large	~)
flowers, ranging from pure white to in-	
digo-blue. Young seedlings will bloom	
from midsummer until frost. 2 ft62980	10
chinense azureum. Beautiful distinct shade	
cninense azureum. Deautitui distinct shade	



Dwarf Larkspur

elatum, hybridum, Finest Mixed. Very	Pkt.
showy63010	15
formosum. Brilliant blue, white center; especially fine. 3 ft. 1/4 oz. \$1.0063030	10
formosum coelestinum. Clear blue; hand- some. 1/4 oz. \$1.50	25
hybridum flpl., Double Mixed63065 Zalil (sulphureum). hP. Long spikes of	25
yellow flowers. 2 ft63090	25

DIANTHUS. See Pinks and Carnations.

DICTAMNUS

(Gas Plant.)			
	years undistu		when
rubbed, hav	ve a lemon oc	lor. 3 ft.	
			1D1/+

Fraxinella.	Red	63290	10
"	albus.	White63300	10

‡DOLICHOS

Very rapid-growing hardy annual climber, bearing pea-shaped blossoms and ornamental seed-pods. Fine for covering screens, etc. 10 ft.

Lablab (Hyacinth Bean). Purple.

	Oz. 50c 63390	10
"	albus. White. Oz. 50c63400	10
"	Mixed. Oz. 50c63410	10
"	giganteus. White. Oz. 75c63420	15

DIMORPHOTHECA



Dimorphotheca

(African Orange Daisy.) Easily grown, hardy annuals of great beauty. 12 to 15 inches in height, and bushy.

Pkt.

aurantiaca. Orange. 1/4 oz. 50c. ...
63340 10

"hybrida. New fine varieties, mixed. 1/4 oz. 50c.63350 10

DIDISCUS (Blue Lace Flower)

caerulea. One of the oldest and best of our annuals. Blue flowers 63320 25

EUPHORBIA

(Snow-on-the-Mountain.) Green-andwhite foliage64110 10

‡ECHINOCYSTIS

lobata (Wild Cucumber). A rapidgrowing annual climber63620

ECHINOPS (Globe Thistle)

ESCHSCHOLTZIA

California Poppy. The state flower of California. This much-esteemed hardy annual is very bright and rich in its pure tints of yellow, orange, etc. The plants average about a foot in height, with silvery foliage, and produce their large, poppy-like flowers from early spring until frost. They are most effective when grown in beds of considerable size, over which the seed may be sown broadcast thinly, and lightly raked

Thorburnii. Coppery orange; the effect of a plant in bloom is simply gorgeous; the flowers are larger than those of other Eschscholtzias, and are borne with equal pro-Rich yellow. Oz. 75c...63910 alba. Creamy white.....63920 alba. fl.-pl. Fine sort, with californica. 10 double, creamy white flowers. 63930 Carmine King. Carmine-rose; beautiful. 1/4 oz. 50c. 63950 10 crocea. Double Orange. 1/4 oz. 50c. .64000 Mandarin. Red-gold flowers, orange within and scarlet without......64020 maritima, Golden West. A superb variety with very large flowers of deep yellow; bloom all summer. 2 ft. 1/4 oz. 50c. 64040 Vesuvius. Wallflower-red. 1/4 oz. 50c.64055

Mixed. Many sorts. 1/4 oz. 30c., oz. \$1.00.



Eschscholtzia



FORGET-ME-NOT (Myosotis)

These dainty little flowers love cool, moist soils, and, like pansies, bloom most freely in fall and early spring. They make beautiful close borders, or edgings, and will bloom nicely in winter in a cool room or coldframe. They establish themselves by self-seeding. Sow in spring in a warm, sunny border. Most varieties bloom freely the first season and profusely the second.

Averag	ge height, 6 to 8 in.	Pkt.
alpestris	(hB). A pretty plant of erect habit,	ı mı.
	with blue flowers. 1/4 oz. 75c. 64260	10
"	alba. White flowers, very dainty in	
	effect. ¼ oz. 75c64270	10
"	Indigo-Blue. Very fine 64300	10
"	Indigo-Blue. New. Compact. Fine for pots or border64305	25
"	robusta grandiflora (Eliza Fonrob- ert). Grown extensively for cut- ting. Large, sky-blue florets with yellow eye, in large clusters. 64320	15
"	Victoria. Strong-growing; dwarf; flowers large, globular, sky-blue, abundant; fine for borders, pots or cutting	15
"	Mixed. 1/4 oz. 50c64350	10
	semperflorens. hP. Bright blue; rf form of M. palustris, blooming	

FOUR O'CLOCK

from spring until autumn; foliage a good shade of green. 1/8 oz. \$1.00......64420 25

(Mirabilis.) Favorite half-hardy annual of the easiest culture and very suitable for large beds and borders. Called Four O'clock because it opens its blossoms at that hour in the afternoon. Also known as Marvel of Peru. Handsome, free-flowering, sweet-scented; blossoms varie-gated, striped and of various colors.

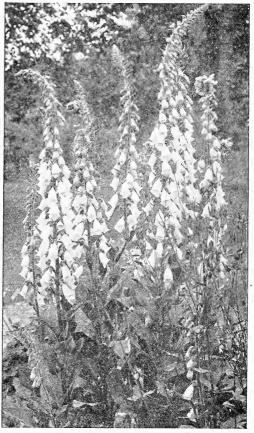
		assortment.			
Oz. 30c.	 • • • • • •	•••••	.644	160	10

Tom Thumb, Mixed. Very fine. 1 ft.64510 10

FOXGLOVE (Digitalis)

The tall flower-spikes of the Foxglove, often 2 to 3 feet in height, are particularly handsome when grown among shrubbery or in bold masses, and as a background for lower-growing plants they are very attractive. Hardy perennials, they are most satisfactory when treated as biennials. Sow the seed out-of-doors in spring and transplant the seedlings into their permanent places. They will bloom magnificently the following spring; give them a deep soil in partial shade.

purpurea,	The well-known variety.	Pkt.
46	Very showy; long spikes. 50c	



Foxglove

purpurea, White. Fine and attractive64600	10
" Mixed. 1/4 oz. 50c64610	10
gloxinioides, Purple. 1/4 oz. 50c64620	10
" Rose. Bright, showy flowers	
borne profusely on fine spikes.	
½ oz. 50c64630	10
" White. Handsome, gloxinia-	
like flowers; beautiful for cut-	
ting. ½ oz. 50c64640	10
winxed. All the choice colors.	
¹ / ₄ oz. 50c 64650	10
grandiflora lutea, Yellow. Large-flowered;	
long racemes of bell-shaped blossoms; dwarf.	
¹ / ₄ oz. 75c64660	IO
monstrosa, Splendid Mixed. Very large,	
bell-shaped flowers of exquisite beauty, borne	
on long spikes. 4 ft. 1/4 oz. \$1.0064680	I 5
GERANIUM	
Most valuable greenhouse plants, blooming co	on-
tinuously. For bedding in the outdoor gard	ien
nothing equals them. 1½ ft.	kt.
zonale. Scarlet65130	IO
Apple-scented. Pink; fragrant foliage.65150	
rappic-scented, rink, magrain follage. 05150	25

Choice Mixed.......65152 25

See, also, Pelargonium.





Gaillardia grandiflora

GAILLARDIA

(Blanket Flower.) Both the annual and peren-nial varieties of Gaillardia are very showy and free bloomers all summer long until frost; good in any situation and easily grown. The individual flowers are of large size, very durable, and most brilliant in color; fine for bouquets. 2 to 3 ft.

hP. Fiery red. 1/4 oz. 50c. Amblyodon. 64870 †grandiflora maxima. hP. Golden yellow. 2½ ft......64890 Extra-fine Mixed (hP)..64910 10 Picta sorts are most elegant annuals and deserve very generous plantings. picta. Mixed. Finest colors......64960 10

GERBERA

(Transvaal Daisy.) Very pretty half-hardy perennials, fine for garden border and also winter forcing; grows about 2 feet in height and blooms all through the season.

Jamesonii. Deep scarlet. (25 seeds in a packet.)65180 hybrida, New Hybrids. Great diversity of colors, from pure white to dark red; fine for cutting. (25 seeds in a packet.) 65190

GEUM

Handsome hardy perennials; bloom freely all season; fine for bouquets. 11/2 ft. Scarlet......65240 15

GREVILLEA robusta

coccineum.

(Silk Oak.) Graceful evergreen, greenhouse plant, easily raised from seed; fern-like foliage; fine for table decoration....66040

GODETIA

Free-blooming, hardy annuals, with widely opened flowers of satiny texture, and of the most deli-cate and lovely colors. They are beautiful for solid beds, border lines, pots, and for growing in shaded places, where so few really fine flowers will flourish. Sow seed in the open border in spring, or in a coldframe, and transplant seedlings to stand a foot apart in rather thin soil. Fine for cut-flowers. Average height, I ft.

Crimson Glow. Intense, dazzling crimson; fine, compact grower; very floriferous. 65460 15 Duchess of Albany. Sating white 65470 Lady Albemarle. Dark crimson.....65510 Lady Satin Rose (G. Whitneyi compacta Brilliant). Bright carmine..........65530 10 Rosamund. Large; glossy pink.....65560 White and crimson.....65580 The Bride. Mixed, Tall Varieties. 1/4 oz. 30c....65620 ¹/₄ oz. 35c., oz. 75c. **65630** Dwarf Varieties.

GOLDEN FEATHER. See Pyrethrum.

GLOXINIA

Greenhouse plants with magnificent flowers of great brilliancy; very decorative. If the seed is started early in the season, the plants bloom the same summer; do best in light, rich soil; fine pot plants for the window garden. I to 1½ ft.

hybrida grandiflora. Superb mixture..65670 50

GOMPHRENA (Globe Amaranth)

These well-known, hardy annuals are among the most popular of the Everlastings for dried winter bouquets; also well adapted for beds and edgings in the garden. Their round heads of flowers are also called Bachelor's Buttons. I ft.

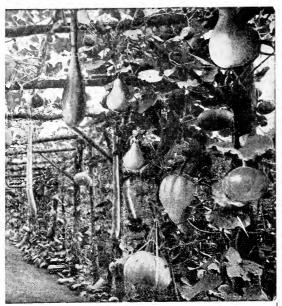
Purplish red. 1/4 oz. 30c. globosa rubra. 65750 alba. White. 1/4 oz. 30c....65760 carnea. Flesh-pink. 1/4 oz. 30c. .65770 10 Mixed. 1/4 oz. 25c......65810 10

GOURDS (Ornamental)

These rapid-growing, annual climbers have most luxuriant foliage and are excellent for covering verandas or trellis work, and for training over arbors, fences, etc.; bear most curious fruit; the vines are immune from insect pests. 10 to 25 ft.

25 10.	Pkt.
Apple-shaped. A good sort65860	10
Bottle Gourd65870	10
Calabash (The Pipe Gourd)65880	10
Dipper-shaped65890	IO





Gourds

GOURDS, Ornamental-Continued Pkt. Dish-cloth (Chinese Luffa). Interior useful 10 Egg-shaped. White, egg-like fruits...65910 Hercules' Club. Long, green fruits...65920 Mock Orange. Orange-shaped fruits. One Pear-shaped. Very showy..................65950 10 Sugar Trough.......65960 10 Mixed. A fine assortment......65980 10

GYPSOPHILA (Baby's Breath)

Both the annual and perennial varieties are most easily grown; very graceful and delicate flowers and foliage; fine for rockwork or shrubbery and bouquets. 2 ft.

elegans	grandiflora alba. hA. Large-flower-	
	ing; white. Oz. 50c66100	10
"	carminea. hA. Rose-carmine; ele-	
	gant. Oz. 50c66110	10
"	rosea. hA. Rose. Oz. 50c66120	10
panicula	ata. hP. White; fine for bouquets.	
Oz. \$	1.0066150	10

†HEDYSARUM

Hardy biennials, with racemes of beautiful, peashaped flowers; adapted for borders and rock-work. Of the easiest culture. So-called "French Honeysuckle," but not related to that vine. Not a climber. 3 ft.

			PKt.
coronarium.	Scarlet	66240	10
"	album.	White	10

HELENIUM autumnale

(Sneezewort.) Late-flowering, hardy perennials; broad heads of elegant, golden yellow flowers; fine for cutting. 5 to 6 ft. 66270 10

HELICHRYSUM

(Eternal Flowers.) A most popular, hardy annual; the flowers are large and the color bright; highly prized for winter bouquets. Flowers intended for drying should be gathered when partially unfolded and suspended with heads downward in cool and airy place. I to 2 ft.

monstrosum, Double Large-flowered-

		Pkt.
"	Double Mixed66340	10
"	$Silver\ Globe 66332$	10
"	Crimson	10
"	Golden Globe66336	10
"	Fireball, red	TO

HELIOPSIS Pitcheriana

This hardy perennial is esteemed highly for the border and for cutting; bears beautiful golden yellow flowers all summer. 3 ft. 66400 to



Helichrysum.





Hollyhocks

HOLLYHOCKS (Althaea rosea)

Although Hollyhocks are very permanent and hardy for the first winter, it is advisable to sow seed every year of these splendid, hardy perennials, as the flowers on young, vigorous plants are much finer than on old ones. Sowings should be made in April or May, and not later than June, to flower the next year. In final transplanting give each seedling a foot or more space each way for development. They succeed best in an ordinary deep, rich soil. They make a glorious show in the garden with their splendid spires of flowers and are fine for the back of the border and for hiding unsightly fences. Water well in dry weather. Average height, 6 ft.

	Pkt.
¹ / ₄ oz. 85c	20
1/4 oz. 85c66720	20
¹ / ₄ oz. 85c66730	20
¹ / ₄ oz. 85c66755	20
1/4 oz. 85c66780	20
¹ / ₄ oz. 85c	20
	½ oz. 85c. 66710 ½ oz. 85c. 66720 ½ oz. 85c. 66730 ½ oz. 85c. 66755 ½ oz. 85c. 66780 ½ oz. 85c. 66790

	Pkt.
Snow-White. 1/4 oz. 85c	20
Mixed Double. 1/4 oz. 75c	15
" Allegheny, Fringed. ¼ oz. 75c66830	15
Single Lemon White. 1/4 oz. 85c	15
" Rose, Dark Center. 1/4 oz. 85c 66836	15
" Mixed. ¼ oz. 75c66840	15
Perpetual-flowering. Annual. Sown early in spring and planted out first week in May, it will bloom from middle of July to late in autumn. Flowers double with graceful,	
loose petals. Mixed colors66708	I 5.

HELIOTROPIUM

(Heliotrope.) These favorite greenhouse and bedding plants are highly valued for their scented flowers; succeed best in light but rich soil; bloom first season from seed. 11/2 ft.

peruvianum.	Light blue. 1/4 oz. \$1.00.66430	Pkt. IO
White Lady.	White; large flower66450	10
Fine Mixed.	½ oz. 75c66480	10

HELLEBORUS

(Christmas Rose.) These well-known, springflowering, hardy perennials thrive finely in any common soil, in a sheltered, semi-shady situation. I ft.

			Pĸt.
niger.	White	.66560	10

HESPERIS. See Rocket.

HIBISCUS (Mallow)

All the species bear very showy flowers and are easily grown.

	Pkt.
africanus. hA. Free-flowering, fine annual; flowers yellow and purple. 2 ft66640	10
coccineus (speciosus). gS. Large rose-red flowers66645	
moscheutos roseus. hP. Large rose-colored flowers. 4 ft	

‡HUMULUS

(Climbing Hop.) Well-known, fast-growing, hardy annual. 15 to 20 ft.

japonicus	(Japanese Hop). Beautifully cut green foliage; makes fine shade. 1/4 oz. 30c., oz. 75c66960	10)
"	variegatus. With white-variegated	

leaves; fine. 1/4 oz. 50c., oz. \$1.25.

IBERIS. See Candytuft.





Ipomoea, Cardinal Climber

IPOMOEA

(Moonflower; Morning-Glory; Cypress Vine.) Of all climbers for garden and greenhouse, these are the quickest and most luxuriant in growth. Ipomæas grow so easily from annual sowings that it is no longer thought necessary to winter over roots or young cutting plants under glass. The large, thorny seeds of some varieties should be soaked in hot water before planting. For early flowers sow in hotbeds, or pots and boxes under glass, and transplant to rich, deep soil in summer quarters as soon as danger of frost is over, when sowings may also be made in the open ground. Nothing finer for porches, trellises, etc.

ANNUAL VARIETIES. From early sowings these begin to bloom about midsummer, and are full of beautiful flowers all the season, often blooming freely until cut down by frost.

*bona nox. (Good Night; Evening-Glory.) Large, blue flowers open in the evening Pkt.

IMPERIAL JAPANESE MORNING-GLORY. leaves are mostly plain green, but some are oddly blotched with white or yellow. Flowers vary from pure white to carmine, through blues and purples of every shade. 30 to 40 ft.

Finest Single Mixed. Large flowered; all Fringed Single Mixed. All beautifully IO Double-flowered, Mixed. Superb mixture 15 Giant Mikado. Largest flowered 67290 Limbata. Violet and white. 5 ft.....67320 IO

*mexicana grandiflora hybrida alba. Flowers very large and numerous. 15 ft.....**67340**

grandiflora hybrida (Giant Pink Moonflower). Pink.....67345

IPO	MOE.	A—Co	ntinued
-----	------	------	---------

rubro-caerulea, Heavenly Blue. The very large, clustered flowers of beautiful skyblue open early in the morning. Distinct	Pkt.
and handsome. Sow early. 10 ft67370	10
Double Pink	10
" Crimson	10
" Blue	10

OUAMOCLIT HYBRIDA—C A R D I N A L CLIMBER. One of the best annual climbers introduced for many years. grower, with branching habit; flowers all summer in fiery cardinal-red clusters. 25 ft.

67440 25 10 Mixed Cypress Vine......67470

IMPATIENS

(Touch-Me-Not.) Charming greenhouse and win-dow-garden plants that bloom profusely and almost continuously. Good also for bedding. I to I1/2 ft.

Holstii. Large vermilion flowers; quick grower; splendid......67060 Sultani. Bright, rosy carmine; fine for pots. 67080 15

*INCARVILLEA

Ornamental, hardy perennials, with brilliant, gloxinia-like flowers; continuous bloomers; succeed well in any situation, and make a fine show in the garden. 2 to 3 ft.

Delavayi. Rosy carmine; splendid border plant67130 variabilis. Large, rose-colored flowers; fine

JACOB'S LADDER

(Polemonium.) Beautiful, old-fashioned, hardy perennial border plants; flowers in clusters. 2 ft.

JACOBAEA

(Senecio.) Very free-flowering, hardy annuals of easy culture; good for both pots and bedding. I to I1/2 ft.

elegans fl.-pl., Tall Double, White...67680 10 " " Purple...67690 10 Mixed....67700 10

KOCHIA (Summer Cypress)

A rapid-growing, hardy annual; foliage green, turning to fiery red in autumn; very ornamental on the lawn. 2 to 3 ft. $\frac{1}{4}$ oz. 25c., $\frac{1}{2}$ oz. 40c., oz. 75c.....67860

Childsi (Giant Kochia)......67859 10

IO

TO



Kochia

‡KUDZU VINE

LARKSPUR. See Delphinium.

LATHYRUS (Perennial Pea)

latifolius. hP. These have not the fragrance of sweet peas, but bloom through a long season; are hardy and will live for years; they make a beautiful screen for rocks, stumps, fences, etc. 4 to 8 ft.

LAVATERA

Very showy and free-flowering; splendid for large beds in the garden, where they bloom all summer; fine for cut-flowers.

trimestris. hA. Red; makes a brilliant show in the garden. 2½ ft..68080 10

" alba. hA. White.......68090 10

LEONTOPODIUM

LEMON VERBENA. See Verbena.

LEPTOSYNE

Fragrant, half-hardy annuals; large margueritelike flowers on long stems, good for cutting. 1 to 2 ft.

Pkt.



Leptosyne

LEPTOSYNE—Continued

LINARIA (Toad Flax)

maroccana. Mixed Hybrids. hA. Very fine.

LINUM (Flax)

Pretty, free-flowering garden plants of easy cultivation.

grandiflorum rubrum. hA. The favorite Scarlet Flax. Large-flowered.

1 ft. ½ oz. 25c.....68480 10

Blue. Pretty. ½ oz. 35c..68485 10

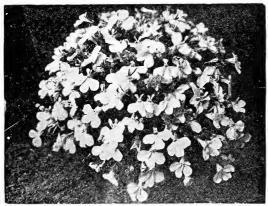
LOBELIA

The Erinus varieties bloom very quickly from seed and flower all through the season. For beds, edgings, baskets and pots there is nothing prettier. Sow outdoors in early spring where the plants are to grow, and thin moderately; or transplant several inches apart in rich, open soil. Some stimulant given when they are in bloom greatly improves the flowers. Almost all are also good winter conservatory plants of trailing habit. The perennial or tall varieties are handsome, showy plants and will be found quite effective for backgrounds and grouping.

LOBELIA—Continued

ERINUS VARIETIES. tA.	
1 D1	Pkt.
gracilis. Blue; trailing; beautiful for baskets	10
speciosa, Crystal Palace. A favorite blue-	
flowered edging plant. 6 in68580	10
alba. White flowers68610	IO
Royal Purple. Deep blue, with a distinct	
white eye	10
Mixed68670	10
erecta, Crystal Palace compacta. Dark	1
blue; for bedding. 6 in68690	15
" White Lady. Splendid, large-flow-	
ered white	10
PERENNIAL VARIETIES—	
	Pkt.
cardinalis (Cardinal Flower). Standing bold and erect with its crimson-scarlet flowers,	
this handsome, native perennial Lobelia is	

invaluable for the border or grouping among evergreens. 2½ ft......68780 10



Lobelia Compacta

LOVE-LIES-BLEEDING. See Amarantus caudatus.

LOVE-IN-A-MIST (Nigella)

Pretty and ornamental, hardy annuals, with feathery fennel-like foliage and curious flowers; of easiest culture. Also called "Devil-in-a-Bush." I to I1/2 ft.

1 to 1/2 tu	Pkt.
Double Blue. 1/4 oz. 30c	
Double White. 1/4 oz. 30c	10
Miss Jekyll. Beautiful; double; cornflowerblue. 1/4 oz. 50c	10
Mixed, All Sorts. 1/4 oz. 30c68970	10

†LYCHNIS

Free-flowering, hardy perennials, with brilliantly colored flowers; excellent for massing in beds and borders.

"	alba.	White.	1/4	oz. 50c. 69340	
chalcedonica.	Scarlet.	2 ft.	1∕4		Pkt.

I LIDINILIC /T

	LUPINUS (Lupine)
	ANNUAL VARIETIES. These garden favorites are among the most beautiful of our hardy annuals; extremely varied in color, of the easiest culture, and bloom all summer. Splendid for beds, borders, and backgrounds. 2 to 3 ft.
	Hartwegii. Blue. Oz. 50c69010 10
	" albus. White. Oz. 50c69020 10
	" roseus. Rose. Oz. 50c69030 10
	nanus. Dwarf; blue; fine for growing in front of tall sorts
	Mixed. Oz. 40c
	PERENNIAL VARIETIES. The hardy perennial
	varieties of the Lupines are extremely hand- some and stately, bearing their beautiful flowers of rose, white, blue, and yellow on erect, grace- ful spikes that are more than a foot in length. Grow very compactly about 3 to 5 feet in height, and bloom continuously and profusely during the summer.
	Pkt. arboreus. Yellow Tree Lupine69160 10
İ	" albus (Snow Queen). Pure
	white; very fine69170 25
ı	polyphyllus. Blue. Oz. 75c69200 10 " albus. White. Oz. 75c. 69210 10
	" albus. White. Oz. 75c. 69210 10 " roseus. Rose; magnificent.
	½ oz. 35c69240 15
	" Mixed. Oz 75c69260 10
	tricolor elegans. Orange, rose and white. 69280 10
	MALLOW. See Hibiscus.
	MALOPE
	Very pretty, free-blooming, hardy annuals with mallow-like flowers. Sow the seed early; good for beds and borders. 2 to 3 ft.
	grandiflora alba. White69440 10
	" rosea. Rose69450 10
	" rubra. Red69460 10
	" Mixed69470 10

		•	Pkt.
grandiflora	alba.	White69440	10
"	rosea.	Rose69450	IC
"	rubra.	Red69460	IO
"	Mixed	69470	Ic

MALVA. Handsome garden plants that bloom all summer; fine for cut-flowers.

moschata alba (Musk Mallow). †hP. White; fragrant. 2 ft. 1/4 oz. 50c. . 69500 rosea. †hP. Rose-flowered variety; fine. ½ oz. 50c...69510 10

MATHIOLA bicornis

bicornis. A charming little annual with a

MARTYNIA

Curious and handsome, half-hardy annuals for the border, with bright flowers, borne in profusion and followed by quaint pods which are used for pickling. 11/2 ft.

proboscidea. Reddish white........69790 10

MARIGOLD

(Tagetes.) These, like the calendulas, are valuable because they light the garden with such a grand glitter of yellow far into the frosts of autumn. The dwarf varieties make a fine border for taller sorts, and both are effective when planted in groups or in garden borders. Hardy annuals. Average height, I to 2 ft. All our own special strains, vastly different from the ordinary sorts commonly sold.

AFRICAN VARIETIES—	
Eldorado. Large, quilled, perfectly double; brilliant shades of yellow. 1/4 oz. 40c.	Pkt.
69570	10
Lemon Queen. Very rich lemon-yellow. 4 oz. \$1.00	20
Orange. Rich. 1/4 oz. 50c69590	10
Mixed Double. 1/4 oz. 4oc., oz. \$1.25.69620	IO
FRENCH VARIETIES—	
Dwarf Striped. Flowers handsomely marked. 1/4 oz. 85c	15
vety red. ½ oz. 85c69670 Tall Mixed, Double. ½ oz. 40c., oz. \$1.25.	15
69680	10
Dwarf Mixed, Double. 1/4 oz. 40c., oz. \$1.25. 69690 See, also, Calendula.	10

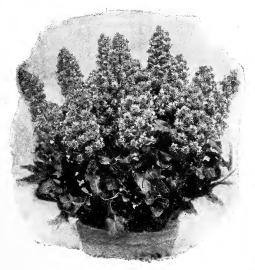
MESEMBRYANTHEMUM

These beautiful, half-hardy annuals flower profusely in dry and sunny situations; fine as edging plants. 6 in.

Pkt.

cordifolium variegatum. Rose; cream foliage;
very dwarf; a fine variety for carpet bedding or for edging and for rockwork. 70020 15

crystallinum. See Ice Plant......67040 10



Mignonette



African Marigold

MATRICARIA (Feverfew)

Free-flowering, hardy annuals, with a profusion of dainty flowers; bloom all summer; good for bedding or pots. 1½ ft.

Pkt.

MIMOSA pudica

(Sensitive Plant.) A curious and interesting half-hardy annual, with pinkish flowers; leaves close when touched. 1½ ft..70280 10

MIGNONETTE

(Reseda odorata.) Seed of this popular, hardy annual can be sown at any time, and if successive sowings are made its fragrant, modest-colored flowers may be gathered outdoors until November. Sow in pots or boxes under glass in February or March, and thin or pot off the seedlings to make good plants for bedding out in April. Sow outdoors in rows about April 1, and again regularly at intervals of about three weeks till August, a row or two at a time for succession. The July sowing will make good winter-flowering plants. I ft.

Golden Queen. Golden yellow.....70120 10
Goliath. Red; enormous spikes; striking; very sweet-scented. 1/4 oz. 85c..........70130 15

Machet, Dwarf. Deep red. 1/4 oz. 50c. 70140 10
"Golden. 1/4 oz. 50c. .70160 10

NASTURTIUM

A marvelous range of new colors has been developed in this favorite flower which, for three or four months of the season, makes a better display than almost any other plant. No other hardy annual will produce such a lavish profusion of flowers for so long a time with the same small outlay of time and labor. The maximum of bloom is produced on thin soils, and never flags through the hottest weather. In soils too rich, leaves predominate, and the plants are apt to rot off in wet weather, especially if standing too close. The tall varieties make a very effective display when trained on fences or trellises and the low sorts are fine for edging and massing.

All 30c. per oz., except where quoted otherwise.

DWARF or TOM THUMB (Tropæolum nanu These have a neat, compact habit and att tive foliage; they bloom in two months f sowing, and most profusely the whole sea	m). rac- rom son.
ı ft.	Pkt.
Beauty. Yellow and scarlet70600	10
Bronze-color. Distinct70610	10
Chameleon. Mottled crimson, bronze, and yellow; very fine70620	
Crystal Palace Gem. Yellow and carmine.	10
70640	10
Deep Scarlet70645	10
Empress of India. Deep crimson; fine dark foliage	10
Golden Cloth. Golden yellow leaves; scarlet flowers	10
Golden King. Golden yellow70670	10
King of Tom Thumbs. Scarlet; fine color.	10
King Theodore. Black, velvety; darkest of all70690	10
Queen of Tom Thumbs (Original Queen.)	10
Brilliant crimson with white-veined varie-	
gated-leaved foliage70725	10
Ruby King. Ruby-red; large flowers; dark-	
leaved; fine and very profuse70780	10
Mixed, Dark-leaved Sorts70825	10
" All Sorts. Oz. 20c., 1/4 lb. 60c., 1/2 lb. \$1.10, lb. \$2.0070840	10
TALL or CLIMBING (Tropæolum majus).	
Besides their ordinary garden use for trai over fences, trellises, stone walls, etc., these	ing
also be grown as pot plants for winter fl	ow-
ering, as screens, or as trailers for hangi	ng-
baskets and vases. 8 to 12 ft.	
Dark Crimson	Pkt. IO
E1 10: 5 11 11	
	10
hemisphaericum. Orange70970 20 King Theodore. Black70990 20	10
	10
Pearl (Moonlight). Whitish71010 20	10
Scarlet	10
Vesuvius. Large flowers; salmon; dark- leaved	10
Variegated-leaved, Mixed. Beautifully	
variegated foliage; distinct and	•
charming	10
Fine Mixed. 1/4 lb. 50c., 1/2 lb. 80c., lb. \$1.50	10
fimbriatum, Mixed. Fringed sorts,	**

mixed. 1/4 lb. 55c.71340 15 10

PYRETHRUM

Showy, hardy perennials growing 2 feet in height, with most brilliant and lasting flowers. The dwarf Golden Feather is the well-known variety used for carpet bedding, edgings, and borders.

THORBURN'S EXQUISITE PYRETHUMS

See Colored Plate

These faultlessly beautiful flowers are produced in England by the world's leading specialists. Seed is saved only from selected blooms of exceptional coloring and perfection of form.

(76.480) Packets, 50c. 3 Packets, \$1.25

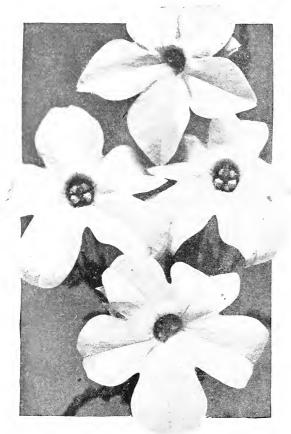
THORBURN'S GIANT FLOWERING NASTURTIUMS

See Colored Plate

FLOWERS 3 to 4 inches across. A magnificent range of colors.

(71400) Packets, 15c. 3 Packets, 35c.





Nicotiana

†MIMULUS (Monkey Flower)

†MOMORDICA

(Balsam Apple.) Handsome and ornamental, climbing, half-hardy annuals with yellow flowers; fine for covering rockwork, trellises, etc. 10 ft.

Balsamina (Balsam Apple). Apple-shaped fruit; glossy, green foliage, often used for its medicinal qualities. Oz. 75c....70420 to Charantia (Balsam Pear). Pear-shaped fruit; heavy green foliage. Oz. 75c.70430 to

MONKSHOOD. See Aconitum.

MONKEY FLOWER. See Mimulus.

MOONFLOWER. See Ipomæa mexicana.

MORNING-GLORY. See Ipomæa.

MOURNING BRIDE. See Scabiosa.

MUSA Ensete

(Abyssinian Banana). tP. An elegant, ornamental-leaved plant for groups or singly in the summer garden; grows very fast in rich and moist soil. 10 ft...........70500 25

MYOSOTIS. See Forget-me-not.

NEMESIA

Very pretty and neat-flowering hardy annual for edgings; attractive, bright-colored flowers. In ft.

strumosa Suttonii grandislora. Many rich and rare colors; flowers large; foliage beautiful. 5 pkts. \$1.00..71480 25

NEMOPHILA

Very pretty, dwarf-growing, hardy annuals of easy culture; continuous bloomers; cup-shaped flowers of brightest colors. Good in pots, edgings, rockeries or beds; moist soil and partial shade is favorable for them. Ift.

insignis, marginata. Blue, mottled white.
71550 ro

Mixed.....Oz. 30..71580 10

NICOTIANA

Species of tobacco. Showy and free-blooming half-hardy annuals; great garden favorites; in flower all summer; tubular-shaped flowers. 3 ft.

affinis. White; very fragrant. 1/4 oz. 30c. 71650 ro

" **hybrida.** Beautiful shades, mixed.

NIGELLA. See Love-in-a-Mist.

NOLANA

When in flower these hardy annuals are very showy, and are fine for the garden border; of trailing habit. I ft.

Pkt.

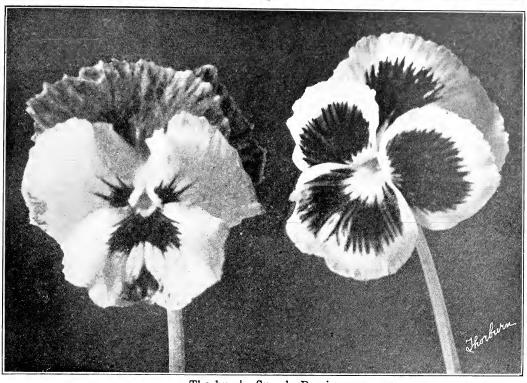
Mixed71780 10

NYCTERINIA

Pretty half-hardy annuals, forming dwarf, compact plants; excellent for beds and borders. 9 in.

capensis. White; fragrant in evening. 71810 10

OENOTHERA. See Evening Primrose.



Thorburn's Superb Pansies

PANSY (Viola tricolor; Heartsease)

OUR STRAINS HAVE NEVER BEEN EXCELLED

Spring sowings should be made early so as to secure good flowers during the early rains. Seed sown in a cool, moist place in June and July, and well tended, will give good flowering plants for fall. If they come into bloom in the heat of the summer, the flowers may be small at first, but, as the weather becomes cooler they will increase in size and beauty, and make a glorious show in the garden. Through summer heat the flowers are finer in a somewhat shaded place, but in almost any situation good Pansy seed will give fine flowers in spring and fall. Early fall sowings give the finest flowers in spring, and a bed of Pansies is one of the most beautiful sights a garden can show. The higher-priced sorts produce the largest flowers and the most brilliant colors. This should be borne in mind when ordering.

We do not sell less than 1/4 ounce of a kind by weight

		, ,			
Thorburn Superb. The richest and most choicely varied mixture possible. It produces only the finest	Pkt.	¼ oz.	Black-Blue. Dark velvety blue. 72170 Black (Faust; King of the Blacks).	.15	1/4 oz. 1.25
colors, largest flowers and most beautiful forms72030	\$0.25	\$2.75	Almost coal-black72180 Cardinal. Brilliant red; very fine.	.15	1.25
Cassier, Finest Mixed. Flowers of grand size, beautifully spotted.	25	1.85	72200 Golden Queen (Yellow Gem). Pure yellow	-	1.50 1.50
Masterpiece. Curled, wavy petals; splendid colors; distinct72060	_	2.00	Meteor. Bright yellow and brown, attractively blotched and margined.		1.25
Madam Perret. A splendid giant- flowered strain comprising all shades of red from light rose to			President Carnot. Pure white pet- als, each with a deep blotch. 72360	_	1.25
dark purple, some of them finely striped	.25	1.85	Snow Queen (candidissima). Pure satiny white	.15	1.25
Fine Large English. All colors mixed	.io	•75	has remarkably large flowers, carried well above their leaves, and		
72135 Azure-Blue. Very fine color72160	_	1.50 1.25	marked with large blotches. Extra Choice72662	.25	1.50





Petunias

PETUNIA

hhA. Once fairly started, Petunias grow almost as easily as weeds and furnish a glorious succession of bloom from early summer until frost. The large-flowered strains are very beautiful and of almost endless variety. Seed of the double and Giant-flowered Petunias is made expensive by the great amount of labor involved in hand-fertilization, and it is well to handle seed and tiny seedlings with some care. Sow in hotbed, coldframes, or in boxes of fine soil in the sunny windows of a warm room in April or May, and transplant about I foot apart in garden beds. Seed of the double varieties has not so much vitality as that of single sorts and needs a little more c re in watering to be sure of germination. We have no better plants than the Petunias for beds and masses, borders, window-boxes, baskets, and vases. They will grow in almost any soil and bloom profusely through long droughts. The newer varieties are of brilliant colors. The highest priced sorts produce the finest and handsomest flowers, and those we offer are from the most carefully selected strains, saved at great expense. Apparently similar sorts offered at lower prices are not to be compared with those we offer. Average height, 11/2 ft.

SINGLE LARGE-FLOWERING. These have flowers 4 or more inches across. Our strains are superb and the collections offered contain only the finest varieties.

Purple King. Royal in color and size. 73000

Brilliant rose; a charming shade. 73010

Pkt.
superbissima, Mixed. Large, yellow-
throated varieties; they make a brilliant
show in the garden
Single Mixed73040 10
Giants of California, Single Mixed. Special choice strain
White. Clear, paper-white flowers of un-
usual size
FRINGED, LARGE-FLOWERING. These have
deeply cut and fluted margins.
Ruffled Giants. Extra-large flowers, ruf-
fled, fluted and fringed73400 25
Perfection Mixed. Fringed sorts73440 25
DOUBLE LARGE-FLOWERING. Our seed will
produce flowers large, fragrant, elegantly formed
and beautiful either for house, garden or con- servatory Only a small proportion of the double
servatory Only a small proportion of the double
strains bear double flowers. The reason of this
is the fact that the seed must be selected from
seed. The single flowers must be pollinated with
is the fact that the seed must be selected from single flowers, the double ones not producing seed. The single flowers must be pollinated with pollen from the double ones. Cuttings may be
made from double-flowered plants and inserted
in light, sandy loam for rooting, thus increas-
ing the percentage of double-flowering plants.
Pkt.
Fringed Crimson. Gorgeous colors; extra- large flowers
Fringed Heliotrope. Mauve and helio-
trope colorings
Fringed Rose
Fringed New Fancy Large-flowered, Mixed.
Flowers large and much beruffled73510 50
- · · · · · · · · · · · · · · · · · · ·
SINGLE BEDDING VARIETIES. Smaller-flowered
sorts, found most valuable for beds and masses.
Pkt.
Countess of Ellesmere. Dark rose, with
fine white throat
Howard's Star. Rich crimson; distinct white
star in center; very showy and attractive.
Rosy Morn. Bright, rosy pink, with white throat; very charming, compact, and free-
flowering; for bedding73560 15
White. Pure white; compact grower. A
very good white sort
Inimitable, Mixed. Striped and spotted.
73590 10
Mixed Single. Fine colors. 1/4 oz. 40c.
73600 10
PASSION FLOWER
· Pkt.
‡Passiflora caerulea. hhP. Blue72780 15

PENTSTEMON

Pink72810 15

hhP.

incarnata.

Beautiful herbaceous perennials; very hardy and free-flowering; fine for beds and borders or rock gardens; excellent cut-flowers.

centranthifolius. Bright scarlet. 2 ft...72880 15 Large-flowered Varieties, Mixed. 3 ft.. 72930 15



Phlox Drummondii

PHLOX DRUMMONDII

(Flame Flower.) The hardy annual Phloxes are dazzling in effect, particularly so when sown in masses or ribbon beds of contrasting colors. Few flowers are so easy to grow from seed, so pretty and compact in habit, so quick to bloom, or give such a brilliant display of color for so little cost and care. There are few desirable colors beyond their range, and if given good soil and plenty of water, they will furnish a long supply of delicate flowers. For pot culture dwarf varieties are valuable and as an undergrowth for tall, bare-stemmed plants they are also valuable. The first sowings should be made as soon as the frost is out of the ground in spring, later ones in May, either where the plants are to bloom, or in a seed-bed, as the Phlox transplants readily. In transplanting set the taller kinds about a foot apart; if planted too thickly, they suffer from mildew. Cutting away the flowers and seed-pods makes the plants more bushy and compact, and lengthens their blooming time. Average height, 1 ft.

GRANDIFLORA. This section has beautiful, round-petaled flowers, larger than in the older sorts; showy and constant, blooming in the greatest profusion from early summer to frost. Our strain is far superior to that ordinarily sold.

50141		Pkt.
alba.	Pure white flowers borne in profusion all summer73770	10
" c	oculata. White, with violet eye. 73780	10
atropur	purea. Dark purple73790	10
	n. Bright color	10
rosea.	Rose73850	IO
	splendens. Star-like; crimson. 73860	15
Mixed. 4 oz.	Splendid, large-flowering sorts.	10

DWARF VARIETIES. Plants of this charming section grow only 6 to 8 inches high and form dense masses of bloom all summer. They are especially useful for beds, edgings, pots, etc.

	Pkt.
Brilliant Crimson73955	IO
Purple. Rich dark color73965	
Snowball. Pure white; fine for pots.73980	
Vermilion, White Center73995	
Yellow74000	
Fancy Mixed74030	

PERENNIAL PHLOX

This hardy sort makes bushes about 3 feet high bearing large heads of finely colored flowers.

decussata,	Mixed		.74090	10
"	Large-flowered	Hybrids,	Mixed.	

†PHYSALIS (Chinese Lantern Plant)

Francheti. A very ornamental, hardy perennial; has large orange fruits which, dried, are beautiful in winter bouquets. 2 ft. .74180 25

PHYSOSTEGIA (Obedient Plant)

PINKS (Dianthus)

In this large and greatly varied genus are some of our most beautiful and best-loved flowers, unsurpassed for color and fragrance. They are hardy biennials that bloom finely the first season, remaining green all winter and blooming the next year also, if lightly protected. Old plants flower the earliest, but as young ones give the largest, finest flowers, sowings are made every year. Seed can be sown under glass in the spring, or in an open, sheltered bed. The seedlings are easily transplanted and should stand 8 to 12 inches apart; dwarf ones about 6 inches. If especially large, brilliant flowers are desired, a bed of well-mixed turfy loam, leaf-mold and well-decayed manure should be prepared for them. Average height, 1 ft.

CHINENSIS (China or Indian Pinks). The flowers of all are double and showy.

Double White	China	Pink		.7428	0 10
		Pinks.			
ors.	¼ oz.	30c., oz.	\$1.00.	.7429	0 10
Single Mixed				.7431	0 10

HEDDEWIGII (Japan Pinks). Unusually large and brilliant; often oddly edged, striped and ringed.





Types of Pinks (Dianthus)

PINKS (Dianthus) - Continued Н

•	
HEDDEWIGII—	Pkt.
Single, The Bride (Little Gem). White, with purple center74320	10
"Crimson Belle. Flowers large and handsome, dark red, on long, stiff stems	10
" Eastern Queen. Rose-colored flow- ers, 2 to 4 inches across; finely striped and stained74340	10
" Mixed. 1/4 oz. 50c74360	10
" Mixed, Giant-flowered74370	15
Double, Mixed. A splendid assortment. 1/4 oz. 50c	10
" diadematus flpl. (Diadem Pink). Double; magnificent in color and variety. ¼ oz. 75c74390	10
" Fireball. Brilliant scarlet; very compact and floriferous vines; for massing. 1/4 oz. \$1.0074400	15
" Mourning Pink. Very large, double flowers of blackish crimson, fringed white: very effective, and a handsome cut-flower74410	10
ACINIATUS—	Pkt.
Single, Mixed. Fringed flowers of all colors.	

1/4 oz. 35c......**74500**

Double, Mixed. 1/4 oz. 50c......74510

Fringed Double, Mixed. 1/4 oz. 50c...74515

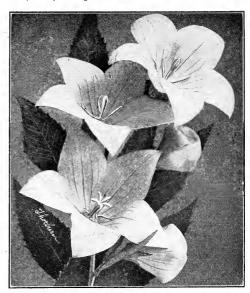
PLUMARIUS (Sweet May Pinks). These are fine, fragrant, hardy perennials of the old-time gardens, most beautiful for massing and cutting.

Single Pinks, Mixed. 1/4 oz. 40c...74650 to Double and Semi-double Grass Pinks. Pretty flowers of delicate colors....74680 20 Double Mixed. Extra fine......74690 20

PLATYCODON

Chinese Bellflower.) Handsome, hardy perennials that do best in light, dry situations; bushy (Chinese Bellflower.) growth; bear large, bell-shaped flowers in great profusion.

grandiflorum. Deep blue. 2 ft.....74800 10 album. White. 2 ft..74810 10 See, also, Campanula.



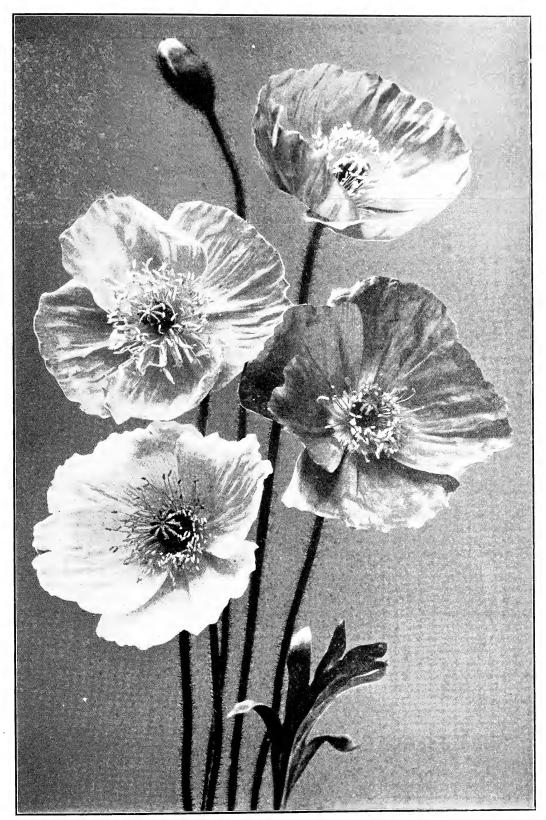
Platycodon grandiflorum

POPPY (Papaver)

Before tulips are fairly gone our gardens begin to be gay with Poppies. Few flowers have the same grace of stem, airiness of poise, and deli-cacy of tissue. For beds and borders, with a background of green, there is nothing finer. Some sorts are admirable for naturalizing in open wooded grounds; others, like the Shirley, are beautiful for cutting. A sandy loam suits Poppies best, and, as their strong tap-roots are difficult to transplant, it is well to sow the seed where the plants are to bloom. Sowings made in fall and at intervals in spring will provide a long succession of flowers. Sow thinly, covering very lightly, and thin the plants to stand about a foot apart. The best plants are those grown from early sowings while the soil is cool and moist.

PERENNIAL VARIETIES. Tall, large-flowered, and showy. Average height, 2 to 4 ft.

10



Iceland Poppy

POPPIES—Continued	
PERENNIAL VARIETIES—	Pkt.
orientale. Enormous flowers of deep, flashing scarlet, with black spots in center; entirely hardy anywhere; fine for cutting. 3 ft.	PKt.
74960	15
" Brilliant. Vivid scarlet; beautiful74970	15
" Mixed Hybrids. Finest shades. 75010	10
nudicaule (Iceland Poppy). These dwarf, bright yellow Poppies form one of the chief attractions of the garden through several months. They are most beautiful when grown in masses from seed sown every year; if sown very early they bloom same season. I ft	15
" Mixed. ¼ oz. 75c75060	15
ANNUAL VARIETIES. This section includes double and single flowers of greatly var sizes, self-colored, and daintily edged. All easily cultivated and greatly admired. Aver height, 3 ft.	ying are
Thorburn Giant White. White flowers of	Pkt.
grand form and size, with silky petals. 3 to 4 ft	10
Maid of the Mist. Pure white; single; very	10



large; deeply fringed. 3 to 4 ft...75130 10

Shirley Poppies

		Pkt.
	Best Mixed. Indescribably bright,	
	and gauzy; a favorite for cut-	
ting.	½ oz. 50c	10
glaucun	n (Tulip Poppy). Striking, tulip-	
shaped	d flowers of intensely brilliant scar-	
let; d	warf. ¼ oz. 50c	10
Single I	Mixed. Oz. 35c	10
Double	American Flag. White, bordered	
	with scarlet; exceedingly brilliant	
	flowers. 1/4 oz. 25c75220	10
"	Cardinal. The immense scarlet	
	flowers last unusually well.75230	10
"	Carnation-flowered, Mixed. Very	
	double; fringed. 1/4 oz. 50c. 75260	10
"	Mikado. Large, white flowers,	
	fringed with rose. 1/4 oz. 25c.	
	75270	10
"	Paeony-flowered, Dwarf, Fireball.	
	Deep scarlet; very large-flower-	
	ing. 1/4 oz. 25c	10
"	Paeony-flowered, Snowball. White;	
	large-flowering	10
"	Paeony-flowered, Mixed. Large,	
	handsome flowers of many colors.	
	$\frac{1}{4}$ oz. 25c 75310	10
"	Queen. Double flowers of the Shir-	
	ley type. Very delicate and bril-	
	liant colors, from palest pink to	
	rosy scarlet	15
"	Ranunculus-flowered, Mixed.	
	Flowers small, finely formed,	
	double. ¼ oz. 50c 75320	15
"	somniferum (Opium Poppy).	
	¹ / ₄ oz. 25c 75322	10
"	Mixed, All Sorts. Oz. 25c75340	10



Single Portulaca

PORTULACA

This charming little hardy annual is unrivaled for brilliancy among plants of low growth, and, although it flourishes under almost all conditions, hot sun and a light, sandy soil suit it best. The seed does not germinate until hot weather, and should be sown late. This plant requires little care and can be transplanted in full flower. Average height, 6 in.

SINGLE VARIETIES. Each strong plant will cover a space of about 1 foot or more in diameter.

albiflora. Pure white. 1/4 oz. 50c...75420 10 rosea. Rich rose. 1/4 oz. 50c.....75450 10 splendens. Crimson. 1/4 oz. 50c....75460 10



PORTULACA—Continued

10	
10	
10	
	Pkt. 10 10 10

DOUBLE VARIETIES. These flowers are so full and perfect as to resemble tiny roses. Toward the close of the season they will increase in size and beauty. As the full, double flowers do not produce seed, it must be saved from the semidouble flowers growing with the full-doubles. The product of that seed will produce many single flowers. As these bloom earlier, they can be pulled out like weeds. When the full-doubles appear, cuttings can be made from them and the bed extended indefinitely with only fulldouble flowers. Our strains must not be confused with the ordinary, cheap seed usually sold. Pkt.

Double	Kermesina. Crimson75515	10
"	Rose. 1/4 oz. \$1.5075530	10
"	Scarlet. 1/4 oz. \$1.5075560	10
"	White. 1/4 oz. \$1.5075580	10
"	Yellow. 1/4 oz. \$1.5075590	10
"	Mixed. Grown from cuttings; a	
	splendid assortment of colors.	
	$\sqrt{10}$ oz. \$1.25	TO

POTENTILLA

Handsome and brilliant in flower are these desirable, hardy perennials. Foliage ornamental; bloom all summer; of the easiest cultivation. 2 ft.

Mixed. Brilliant colors............75690 10

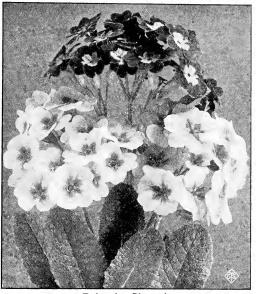
PRIMULA

CHINESE PRIMROSE. gP. Primula, or Chinese Primrose, stands in the first rank among greenhouse plants, and is fine for winter and spring valuable for cut-flowers and for house- and window-culture. A cool place suits it best. Sow the seeds in drills in a light, rich soil, in shallow boxes, at any time from the middle of March to the end of May; the earliest sown seed will naturally produce the earliest bloom. Cover the seed about 1/8 inch and press the soil on them with a board or the bottom of a pot. Water moderately; avoid forcing the seed. The plants must be well ventilated, well watered, and slightly shaded. Average height, 9 in.

sinensis fimbriata alba. White; fringed. **75720** 50 fimbriata alba magnifica. Pure white; fringed; extra-choice. 75730 fimbriata caerulea. Blue; fringed. 75760 fimbriata, True Blue, or Giant magnifica Blue. Best blue; beautiful fimbriated blooms; very

free-flowering75789

fimbriata, Extra-Fine Mixed. Fringed75790



Drimula

Primula Sinensis
Pkt.
stellata, Blue Star Improved. This is a
strain of really Giant Blue Star
Primulas. Very desirable 75895 50 " Crimson. The grandest colored
" Crimson. The grandest colored
of all Star Primulas. Rich crim-
11
son blooms
massive blooms, produced in
great abundance75899 50
Salmon-Fink. Greatly improved
strain. Fine for table decora-
tion
" Mixed (Star Primulas). Very
floriferous
OBCONICA. gP. For open border; also do well
in the house window-garden. Continuous and
free bloomers during the winter months. Pkt.
" carminea. Carmine76010 25
gigantea Kermesina, Carmine.
Red
gigantea, Rose/6110 25
gigantea, Mixed. Giant now-
ering
HARDY VARIETIES. The hardy Primroses are
among the most prized of our spring-blooming plants. A slight protection will be found bene-
plants. A slight protection will be found bene-
ficial. I to 1½ ft. Pkt.
japonica hybrida, Mixed. hP. From a fine
collection
PRIMROSE, Evening (Oenothera). The Oeno-
thera, or Evening Primrose, blooms all summer
very freely. The bright, poppy-like flowers open early every evening and last well into the next
early every evening and last well into the next
day; of the easiest culture in sunny situations.
Pkt.
Oenothera Drummondii. hA. Light yel-
low. 1½ ft76310 10
" Lamarckiana. †hB. Large yel-
low flowers. 3 ft76320 to
" roses (maxicana) hA Bright

rosea (mexicana). hA. Bright

50

RHODANTHE

Beautiful,	delicate-lo	oking E	verlasting	flowers,
much pri	zed for w	inter bou	quets. The	se half-
hardy ani	nuals are	also valu	able garder	n plants.
Glaucous	gray folia	ige. 1½	ft.	-

maculata.	Poso II	with c	lark	center	76570	TKI.
maculata.	Kose, v	vitti t	Iaik	Center.		10
44	alba.	Pure	wh:	ite	76580	10
46	Mixed				76590	10
Manglesii.	Rose;	very	fine		76600	10

RICINUS (Castor-Oil Plant)

Picturesquely showy and imposing, the Ricinus gives to the garden magnificent semi-tropical effects. Grown as a specimen, it makes a perfect pyramid of gigantic leaves; a dozen plants in a large bed show a glorious mound of glistening colors and may be admired from a long distance; planted thickly, it soon forms a handsome screen or hedge; the lower-growing darkleaved sorts are beautiful for dotting here and there among cannas, scarlet pelargoniums, etc. Tall varieties grow from 8 to 10 feet high, with leaves several feet across and beautifully lobed. Half-hardy annuals.

borboniensis arboreus. Green foliage. 15 ft. 76680	Pkt.
cambodgensis. Glistening dark maroon; stems black. 5 ft	10
sanguineus. Red stems and seeds. 6 ft76760	10

Mixed. Fine sorts. Oz. 25c..........76790 10 ROCKET (Sweet Rocket; Hesperis)

Spring-flowering, hardy herbaceous perennials; fragrant; easily grown in light soil; transplant

rrequentry,	very r	166-010	omm	g.		Pkt.
matronalis.	Purple.	3 ft.	1/4 o	z. 20c.,		
					76880	10
"	alba.	White	e; fir	ne cut	-flower.	
	3 ft.				.76890	IO
"	Mixed				.76910	10
DOSE CAMD	ION	0 1				

ROSE CAMPION. See Agrostemma coronaria. ROSE OF HEAVEN. See Agrostemma Cali-rosa.

SALPIGLOSSIS (Painted Tongue)

These showy, half-hardy annuals bear beautiful, funnel-shaped flowers having dark veins on a ground which varies from white to crimson, yellow, orange, etc., and intermediate shades. They are easily grown, require a light, rich, sandy loam and will respond to liberal treatment. Bloom from late summer until frost. 2 ft.

	Pkt.
grandiflora, Extra-Choice, Mixed. A fine as-	
sortment of colors77160	10
" superbissima (Emperor), Mixed.	
Finest strain of very large	
flowers. 1/4 oz. 75c77210	10
Tall Mixed. 1/4 oz. 75c	10
Dwarf Mixed. 1/4 oz. 75c	IO

RUDBECKIA (Coneflower)

Attractive and compact-growing plants, most suitable for beds and borders or clumps among shrubs; showy, large, yellow flowers with dark central cones; easily grown.

bicolor s					yellow;		
Newman	nii.	hP.	Vivid	orange-	vellow.	3 ft.	

SANVITALIA procumbens fl.-pl.

Beautiful dwarf-growing, hardy annual for beds or borders; bright yellow, double flowers; blooms all summer. 6 in....77490 10

SAPONARIA

(Bouncing Bet.) Pretty, dwarf bedding plants, especially adapted for edgings and borders; long and profuse bloomers. I ft.

ocymoides. hP. Rose-colored flowers; trailing; blooms early; fine for rockwork. 6 in. 77540 10

‡SMILAX

(Myrsiphyllum asparagoides.) A well-known greenhouse climber, with small, dark green foliage; of great value in floral work. 8 ft.

78050 10

77030 10



Salpiglossis Grandiflora



SALVIA (Flowering Sage)

The Salvia splendens is a standard bedding plant that keeps the garden bright with color until late in autumn. For pot culture, for cutting and for borders, etc., it is very valuable. In this climate sow seed in window-boxes or frames in March or April, and set the plants outdoors the latter part of May, or sow outdoors not before June 1, and protect from heavy rains and strong winds. The plants grow and bloom profusely in any light, rich soil. Both the tender and hardy perennial sorts bloom the first year, and all are treated as annuals.

argentea. hP. Silver-leaved; flowers white; blooms in spring. 3 ft......77300 10 farinacea. hA. Light blue flowers in great abundance; good for cutting; forms a neat patens. A handsome, tender, perennial, with erect spikes of rich, blue flowers; fine for borders or the greenhouse. 2 ft....77330 SPLENDENS (Scarlet Sage). hhP. These are the well-known bedders, single plants of which carry many long, flaming flower-spikes open at one time, keeping up the display until frost.

grandiflora, Scarlet. A rich-flowered bedder; long spikes. 3 ft. ½ oz. 60c.77360 Bonfire. Our well-known, compact Salvia -the freest blooming of all, seemingly on fire all the time, with dense, flaming scarlet spikes. 2½ ft. ¼ oz. \$1.50...77400 Early Dwarf Zurich. Grows only 12 to 15 inches high, with many fine, erect, slender

spikes to each plant, borne well above its handsome foliage. Color brilliant scarlet; splendid bedding variety, earliest of all. Silverspot. Rich, green leaves elegantly

spotted with yellow. The intense, bright scarlet flowers are large and lavishly borne; neat and compact. 2½ ft..77440 25

SCHIZANTHUS

Very beautiful and showy, hardy annuals, fine for beds and borders in the summer garden. Grown in pots in early spring in the greenhouse. they become elegant foliage plants, with masses of flowers. $\frac{1}{2}$ to 2 ft.

retusus. Red; splendid.................77770 albus. White, inside yellow; very wisetonensis. Light shades; long and profuse blooming; fine pot-plant. 77810 May Blossom. Pale rose-pink and white. Free from any markings or darker tints. Dwarf, compact, pyramidal Mixed77840

SENECIO. See Jacobæa.

SENSITIVE PLANT. See Mimosa pudica.



Scabiosa

SCABIOSA

(Mourning Bride; Scabious.) Well-established garden favorites. They grow about 2 feet high and flower through the summer until frost. The flowers are borne on long stems and last a long time when cut. Fine for beds or borders. Sow seed outdoors in spring when danger from frost is past.

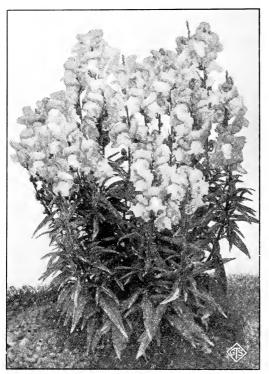
caucasica (Blue Bonnet). hP. This hardy perennial should be in every garden. The flowers are large and semi-double, of pale lavender color, growing on long stems;

HARDY ANNUALScandidissima fl.-pl. (Snowball). Double; Tall Black-Purple. 1/4 oz. 50c......77620 Flesh-Color. 1/4 oz. 50c......77630 Tall Lavender. 1/4 oz. 50c....77635 Mixed, Tall. Large flowers of bright colors.

SEDUM (Stonecrop)

Showy and useful little plants for carpet bedding, edgings, rockwork, stone walls, etc. Pkt. caeruleum. hA. Blue. 4 in........77910 10





Snapdragon

SNAPDRAGON (Antirrhinum)

The Snapdragon is one of our finest perennials, flowering the first year from seed. Its bright-colored, curiously formed flowers always excite interest. The rich spikes are beautiful for cutting, and keep fresh a long time. Flower pro-fusely through summer until frost. For early flowers, sow under glass in February or March, and transplant into beds of warm, dry soil moderately enriched. The Snapdragon is treated as an annual and the seed sown every year. Average height, 2 ft.

TALL, LARGE-FLOWERING VARIETIES-	
	Pkt.
Blood-Red. Fine color. 1/4 oz. 75c78170	15
Firefly. Scarlet and white. 1/4 oz. 75c.	
78190	15
Garnet. 1/4 oz. 75c	15
Nelrose. Silvery pink; very long stems;	_
fine for greenhouse. 1/4 oz. 75c78205	15
Orange Beauty. Very large-flowering,	,
lovely orange-scarlet with gold tip. 78208	15
Queen Victoria. Pure white78210	15
Rose. 1/4 oz. 75c	15
Venus. Delicate pink, with white throat.	- 5
1/4 oz. 75c	15
White. Beautiful for cutting78230	15
Yellow. A pure, soft color78240	15
Large-flowered, Mixed. Fine. 1/4 oz. 50c.	- 3
78270	15
	-
SEMI-DWARF VARIETIES. Plants of this	
tion make excellent bedders, as they bloom ex	xtra
profusely and are only about 15 inches high	•

Black Prince. Nearly black......78310 15

		Pkt.
	Cottage Maid. Pale coral-pink, white throat. 1/4 oz. 75c	15
	Crimson King. Bright crimson; a deeper color than Scarlet King78340	15
	Golden Beauty. Large, sturdy spikes; rich golden yellow. 1/4 oz. 75c78345	15
	Queen of the North. Pure white; small-leaved. 1/4 oz. 75c78360	15
	Rose Dore. Pretty, self-colored salmonrose. 1/4 oz. 75c78370	15
	Rose Queen. Rich rose78375	15
	Fine Semi-Dwarf Mixed. 1/4 oz. 50c78400	15
C	pllection of Snapdragons,—six varieties Finest Tall	50
	WARF LARGE-FLOWERED. A compact str Flowers variously colored. This type make good pot-plant and is invaluable in borders beds. Height, 6 in.	es a s or
	Rose. Charming shade of old rose.78402	Pkt.
	White. Flowers in greatest profusion. 78403	15

SOLANUM

gP. The Solanums are very ornamental, fruit-bearing plants, and thrive best in light, rich soil. Fine for winter decoration in the house or conservatory, and especially desirable for the Christmas season. If used in summer garden, give very warm situation. 1 to 3 ft.

Capsicastrum (Jerusalem Cherry). globular berries; fine for pots. 1 to 11/2 ft. 78480 to

STATICE

(Sea Lavender.) Pretty plants for the summer garden in beds or borders; good for rockwork also; much valued when dried as Everlastings for winter bouquets. I to 2 ft.

sinuata. hA. Blue; very fine.......78640 10 candidissima. hA. White; fine for

SILENE (Catchfly)

Bright-colored and free-flowering hardy annuals, suitable for rockwork or garden beds and borders, blooming all summer; succeed finely in any light, loamy soil. 1 ft.

		Pkt.
pendula.	Red	15
"	alba. White	15
"	Double Rose77990	15
"	Bonnettii. Dark purple; dark stems.	
	78010	15
"	Mixed 78020	TO

STONECROP. See Sedum.

SUMMER CYPRESS. See Kochia trichophylla.

SWEET PEAS

Lathyrus odoratus



Giant Spencer Sweet Peas

A deep, rich, moist soil is best suited to Sweet Peas, hence a trench should be dug 11/2 feet deep and filled with very best loam mixed with bone meal or well-rotted manure. The vines are usually grown in double rows, with a wire trellis or a row of brush between. For each double row make the drills about 12 inches deep, and 9 to 10 inches apart. Sow plentifully, covering about 2 inches deep, and, by degrees, as the vines grow up, fill the trenches with soil, and thin out to about 2 or 3 inches apart. Spring sowings should be made just as early as the ground can be prepared; whiteseeded varieties should not be sown until the ground is fairly warm.



Thorburn's Selected Sweet Peas in Assortment

Assortment containing 1 pkt. each of 10 named grandiflora varieties, Our Selection......52020 \$

TOO

EARLY-FLOWERING SPENCER SWEET PEAS

This new race of Sweet Peas is expected eventually to take the place of all other early and late varieties, as they bloom from four to six weeks earlier than the late-blooming Spencers sown at the same time and continue blooming for four months. They are vigorous growers with immense waved flowers borne on long, strong stems in threes and fours, adaptable to our warm summers, and free-flowering. We strongly recommend a trial of these new creations.

All at 25c. per packet.

	Oz.		Oz.
Harmony. The best clear Lavender; very large54560	\$1.00	Early Song Bird. Soft blush pink; large, fine flowers; borne on long stems in threes and fours	\$1.00
Peace. Rose-pink on cream; most attractive54562	1,00	Early Heather Bell. Beautiful shade of	*****
Warrior. Very large shining maroon; most desirable	1.00	rich mauve; stems long. A splendid acquisition to the Early Spencers 54588	1.00

EARLY FLOWERING SPENCER SWEET PEAS-Continued

All at 25c. per packet.

Yarrawa. Rose-color on first opening,	Oz.	True Blue. Light violet blue54594	Oz. \$1.00
changing to a charming combination of light pink standards and blush wings. 54590		Rose Queen. Fine shade of rose-pink. 54596	
		White Orchid. Flowers most beautifully waved54598	1.00

SUMMER FLOWERING SPENCER SWEET PEAS

These are noted for their unusually large-sized flowers, and for the waved or fluted appearance of the petals. They are also frequently referred to as "Orchid-flowering" Sweet Peas.

1 ounce will plant a row of 20 to 30 feet, and 1 packet a row of 6 to 8 feet.

All at 10c. per packet.

BLUE (Light and Dark) Oz. George Herbert. Rich salmon-rose color splendid	.50
Asta Ohn. Lavender, tinted mauve; delicate coloring; very large53900 \$0.50	
Captain of the Blues Spencer. A fine SALMON and ORANGE	Oz.
Flora Norton Spencer. Bright blue, slightly	
Masterpiece. Lavender53935 .50 liant54320	
Royal Purple. Rich, warm, rosy purple; immense flowers	.50
self-colored	
SCARLET	
CRIMSON and MAROON King Edward VII. Crimson54010 Maud Holmes. Crimson self54020 Cardinal. Brilliant, intense poppy-scarlet large-waved flowers, borne four to a stem The best sunproof scarlet54363	
Nubian. Very dark crimson-maroon; large Royal Scot. Scarlet cerise54370	.50
and waved	
WHITE	
PINK Countess Spencer. Beautiful, soft rose- Representation America Spencer. White, striped with crimson-red	.50
pink. One of the best	.50
Mrs. C. W. Breadmore. Cream, pink edged; very large flower54172 .50 Mrs. H. Dickson. Pale salmon pink on	. •50
cream ground	
Apple Blossom Spencer. Rose standards; blush-rose wings; large flowers54220 .50	J-
Blanche Ferry Spencer. Carmine-rose, with white wings54225 .50	
Constance Oliver. Buff-pink; large flower. 54228 .50 Primrose Spencer. Light primrose-yellow finest formed flowers54490	.50

varieties54820

newest and best large-flowering (Grandiflora) varieties54800 \$0.10 \$0.15 \$0.40 \$0.70 \$1.25 Spencer Varieties, Mixed. A very fine assortment of all the best

SWEET PEAS IN MIXTURE

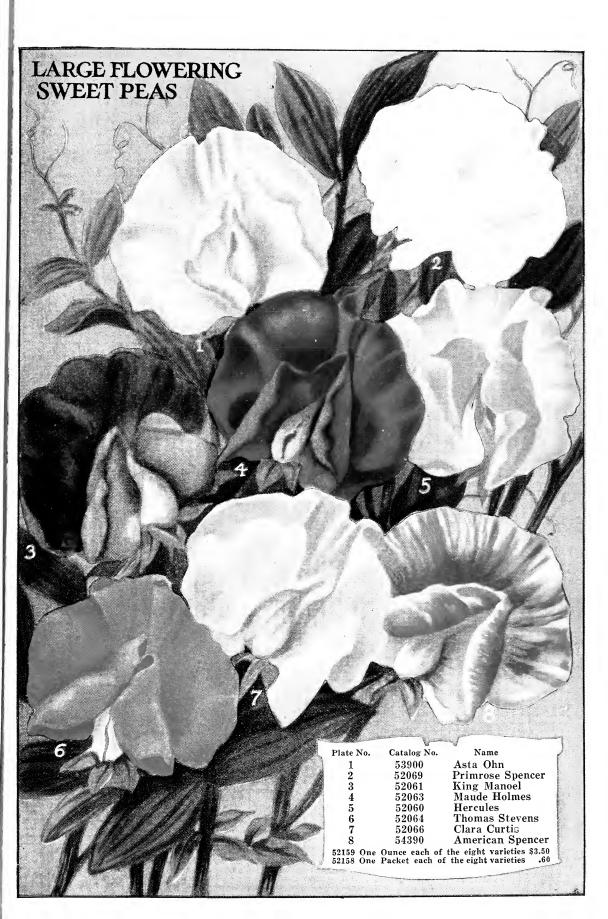
Comprising the finest Eckford and Pkt. Oz. 1/4 lb. 1/2 lb. Lb.

·10

.30

.85 1.60 3.oc

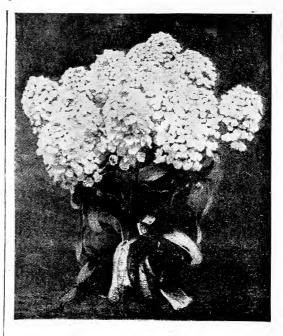
THORBURN'S SPECIAL MIXED.



STOCKS (Matthiola)

Stocks have good habit, fine leaves, beautiful and fragrant flowers, a long season of bloom and adaptability to many conditions of culture. They are unsurpassed for bedding, edging, potculture and for cutting. For fine early flowers sow under glass in March or April, transplanting the seedlings when an inch high into other pots or boxes, or into fine soil spread over some discarded hotbed. In May transfer to garden beds of deep, rich soil, setting the plants a foot apart. Transplanting several times in the early stages of growth tends to make them more dwarf and compact. For later flowers sowings may be made in the open ground in May. If plants that begin to bloom late are carefully potted in fall they will flower finely all winter in a house that is tolerably cool and moist. Average height, I to $I^{1/2}$ ft.

TEN WEEKS. Half-hardy annuals.	Pkt.
Large-flowering Dwarf Pyramidal, Finest	
Mixture78840	25
Dwarf Large-flowering. Long, splendid	
spikes; large, double flowers.	
Bright Red	IO
Carmine	10
Crimson	10
Dark Blue. Beautiful78910	10
Light Blue. Exquisite78930	IO
Rose. Very dainty, light color78940	IO
Snow-White78950	IO
Violet	10
Mixed78980	IO
Dresden Perpetual or Branching-	
Cut-and-Come-Again, Princess Alice,	
White. Large spikes; popular variety	
for cutting	25
Snow White79005	25
Cut-and-Come-Again, Empress Augusta Victoria. Delicate silvery lilac flowers	
in magnificent trusses; of true pyra-	
midal growth. 2 ft79010	25
Brilliant. Blood-red79015	25
Creole. Canary-yellow79017	25
May Queen. Pale blue79018	25
Mixed79020	25
AUTUMN AND LATE-FLOWERING	
Winter, or Brompton Large-flowering-	
Empress Elizabeth. Bright rose. 79275	25
White Lady79290	25
Winter "Nice" Varieties, Large-flowering—	
Abundance. Carmine-rose79310	25
Beauty of Nice. Flesh-color; extra-large	45
flowers	25
Cote d'Azure. Violet-blue79325	25
Monte Carlo. Pure yellow79330	25
Crimson	25
Pure White79340	25
Queen Alexandra. Rosy lilac79350	25
Mixed79370	25
SWEET SULTAN. See Centaurea moschata.	_



STOKESIA (Cornflower Aster)

This popular, hardy perennial bears, all summer, large, attractive flowers resembling semi-double asters; fine for cut-flowers. 2 ft.

SUNFLOWER (Helianthus)

Very stately and decorative hardy annuals, with great masses of yellow flowers. Among shrubbery, and for backgrounds and screens, nothing could be finer. Their long stems and wonderful lasting qualities make them valuable as cutflowers, and the seed is used for feeding birds. They are said to be good for absorbing the miasma of low grounds. Plant the seed in the open garden in spring, and thin the plants to stand 3 to 4 feet apart.

argyrophyllus (Texas Silver Queen). Has handsome silvery foliage and a profusion of small, elegant, single flowers. 4 ft. 79670 10

cucumerifolius. Of pyramidal growth; small, bright orange, single flowers. 3 ft. 79680 10

88

SUNFLOWER (Helianthus)—Continued	-
	Pkt.
cucumerifolius Stella. Handsome; large-	
flowered; primrose-yellow.	
79700	10
" Single, Fine Mixed. ¼ oz. 35c.	
79730	10
Double California. Dark yellow. 5 ft.79740	10
" Dwarf. Beautiful, dahlia-like flow-	
ers; 3 inches across79750	10
" Globe-flowered. Ball-shaped; blooms	
late. 3 ft	10
macrophyllus giganteus. Huge leaves and	
yellow flowers	10
Primrose-colored. Graceful flowers of a	
lovely color; beautiful for cutting. 5 ft.	
79810	10
Sutton's New Red. Of freely branching	
habit, producing numerous well-shaped,	
dark-centered flowers, banded with bright	
chestnut-red, merging to yellow79815	10
Cactus or Sun's Eye. 6 ft79733	10
•	10
Henry Wilde. Single. Yellow, dark center.	
4 ft79736	10
Orion. Quilled petals. 3 ft79660	10
Miniature Single Gold. Dark center79661	10



SWEET WILLIAM

(Dianthus barbatus.) The splendid old-fashioned hardy perennial, producing large heads of beautifully colored, sweet-scented flowers in abundance; easily grown, flowering the second year. 1½ ft.

Pkt.

11/2	ft.	Pkt.
Single	Auricula-flowered oculatus margina-	1 100
	tus. Various shades, with white eye and white bordered79920	10
"	Pink Beauty (roseus). Rosy chamois. 1/4 oz. 50c79940	10
"	Scarlet Beauty. Brilliant scarlet; very fine. 4 oz. 50c	
46	White. 1/4 oz. 50c79960	

	Pkt.
Single Mixed. 1/4 oz. 50c79970	10
Double Crimson. 1/4 oz. 75c79990	10
" White. 1/4 oz. 75c80000	10
" Mixed. 1/4 oz. 50c80010	10
Annual, Finest Mixed. 1/4 oz. 50c80030	10

‡THUNBERGIA

	Mixed.				
	tender pe				
	vn as an				
boxe	es, vases,	hanging-	baskets,	trellise	s, etc.
6 ft.	1/4 oz. 50	oc		8	30160

TORENIA

Beautiful tender annuals that, started early in the spring in heat, will bloom continuously all summer until frost; fine for vases, baskets, and the summer garden. 10 in.

Pkt.

Fournieri.	Sky-blue, with purple spots and yellow throat80190	
"	alba, "White." Pure white with	10
	yellow throat80200	IO

†TRACHELIUM

caeruleum.					
ing perenn					
nual; pale	blue f	lowers	good in	garden or	
greenhouse	. rft			80240	

TRITOMA

(Red-Hot-Poker Plant.) This splendid, half-hardy perennial is also well known as Torch Lily; has gorgeous spikes of bloom; easily grown; should be largely planted. Fine in late summer and fall.

Uvaria grandiflora. Fiery orange flowerspikes; large and showy. 3 to 4 ft..80330 10

TROLLIUS (Globe Flower)

	nial with large, buttercup-
	owering through the early
	ny soil. Flowers vary from
	gold, bordering on ver-
milion. $1\frac{1}{2}$ to 2	ft.

Mixed Hybrids......80360 10

†VALERIANA (Valerian)

Very handsome hardy perennials that have been too much neglected; bloom all summer. Fine for borders, wild gardens and rockwork; of easiest culture. 2 ft.

alba.	White.	Oz.	50c 80460	10
			50c80470	
			80480	



VERBENA

hhA. In rich soil, single plants of this most attractive and pretty annual creeper will carpet a space 3 to 4 feet in diameter. Plants raised from seed are cheaper, more vigorous and produce more flowers than those grown from cuttings. For early spring bloom, sow under glass in February; for later flowers sow in March or April. Soak the seed a few hours in tepid water and sow in boxes filled with light, rich soil; cover 1/4 inch deep, press down firmly and water sparingly. When the seedlings are about an inch high, transplant into other boxes, and set out 10 to 15 inches apart each way in May in a sunny situation. The plants bloom continuously from early summer until killed by frost.

hybrida Mammoth Varieties. Plants and flowers are unusually large; extremely floriferous, and borne in large heads.

## Blue. ½ oz. 50c			Pkt.
Scarlet Defiance. ½ oz. 50c	"	Blue. 1/4 oz. 50c80752	10
Scarlet Deliance. 74 02. 50c80756 Striped. 1/4 0z. 50c80757 White. 1/4 0z. 50c80758 Yellow (lutea). 1/4 0z. 50c80759 Mixed. 1/4 0z. 40c80760 gigantea, Mixed. Florets very large. 80762 Improved Mammoth, Mixed Auric-	"	Pink. 1/4 oz. 50c80754	10
White. ½ oz. 50c	"	Scarlet Defiance. 1/4 oz. 50c80756	10
"Yellow (lutea). ¼ oz. 50c. 80759 "Mixed. ¼ oz. 40c	"	Striped. 1/4 oz. 50c80757	10
" Mixed. ½ oz. 40c	"	White. 1/4 oz. 50c80758	10
" gigantea, Mixed. Florets very large. 80762 " Improved Mammoth, Mixed Auric-	"	Yellow (lutea). 1/4 oz. 50c80759	IO
" Improved Mammoth, Mixed Auric-	"	Mixed. 1/4 oz. 40c80760	10
improved Mammoth, Mixed Auric-	"		
ula-flowered. Best of all80770	"	Improved Mammoth, Mixed Auric-	
		ula-flowered. Best of all80770	15

†VINCA (Periwinkle)

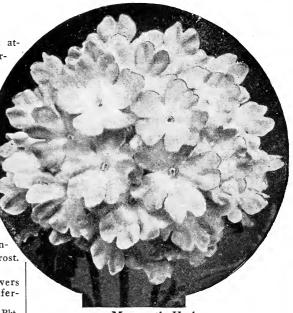
tP. Handsome, bushy bedding plants that flower luxuriantly and most profusely all summer from seed sown in February or March in heat; fine also for pot-culture. I to 11/2 ft.

		Pkt.
rosea.	Red80940	10
"	alba. White, with rose center; dainty flowers	10
46	alba pura. Pure white; makes brilliant contrast with the dark green,	
	shining foliage80960	10
"	Choice Mixed 80970	τo

VIOLET, Sweet-scented (Viola odorata)

hP. Much prized for spring blooming. All the varieties have great beauty, are very fragrant and quite hardy. 6 in. Violet seed takes a long time to germinate.

	I AL.
Blue81000	10
The Czar. Very large; dark blue81010	10
White81020	10



Mammoth Verbena

†VIOLA cornuta

(Tufted Pansies.) hhP. Splendid free-blooming plants for partially shaded situations; with a little winter protection will be permanent for years; bloom continually all the season until frost. 6 in.

cornuta, Purple Queen. 1/4 oz. \$1.50..81040 10 Mauve Queen. 1/4 oz. \$1.50..81050 10 White Perfection. 1/4 oz. \$1.50. 81060 10 Mixed. 1/4 oz. \$1.50......81065 10

pedunculata (California Yellow Violet). 81070



Viola

VIRGINIAN STOCK

(Malcomia maritima.) Early and very free-flow-ering, dwarf, hardy annuals of easy culture; bright blossoms; most effective for edgings.

Mixed. Oz. 60c......81130 10



VISCARIA

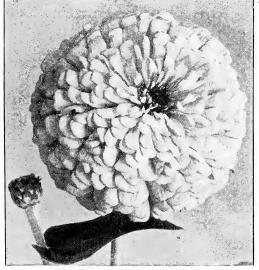
Abundant-blooming, hardy annuals, flowering all summer until frost; very effective for massing in beds and borders; easily grown. 1 ft.

elegans picta. Rose and scarlet.....81150 10 Mixed. Bright colors......81200 10

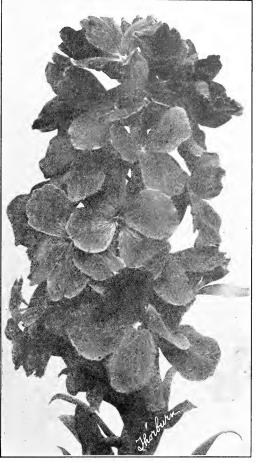
WALLFLOWER

(Cheiranthus Cheiri.) Well-known, half-hardy perennials of delightful fragrance, bearing in spring and early summer long spikes of bright flowers. Start the seed early in the season in heat, protect by coldframes during the following winter and plant out for bedding in spring. Fine also for blooming in greenhouse. 2 ft.

Single-flowering Varieties—	
Dark Blood-red81230	Pkt.
Feltham Early. Large; brown-red; fine. 81250	10
Golden King. Very large, golden yellow flower81260	10
Ruby Gem. Very rich ruby color81280	Io
Vesuvius. New. Orange, scarlet and bronze81285	15
Fine Mixed. Very showy mixture81320	10
Double-flowering Varieties— Double, Tall Branching, Mixed. 2 ft.81370	15
Annual, Mixed. This annual or extra-early flowering strain, if started early in heat, will bloom the same season. I to 1½ ft. 81340	



Mammoth Flowered Zinnia



Wallflower

ZINNIA

(Youth and Old Age.) Easily grown from seed and bloom abundantly and continuously. Sow the seed of this hardy annual in the open ground early in spring. From July until the first hard frost Zinnias are incomparably bright; the plants grow a foot or more in height with large, double flowers. Fine for beds and borders.

NEW VARIETIES OF ZINNIAS—

Dahlia-flowered. New. Very fine mixture. 81665 15 Double Giant Picotee, Golden Pheasant. Deep gold ground, with tips maroon. 81668 15

TALL MAMMOTH FLOWERING DOUBLE. distinct and splendid class, producing extra-large double blooms. 21/2 ft.

	PKt.
Crimson. \(\frac{1}{4} \) oz. 50c81680	15
Flesh-color. 1/4 oz. 50c	15
Orange. 1/4 oz. 50c	15
Salmon-pink. New. 1/4 oz. 50c81694	15

ZINNIA—Continued

TALL DOUBLE-Continued

	Pkt.
Scarlet. 1/4 oz. 50c81695	1 5
Sulphur-yellow. ¼ oz. 50c81700	15
Purple. 1/4 oz. 50c81715	15
White. 1/4 oz. 50c81720	15
Mixed. 1/4 oz. 25c81730	10
Collection of six varieties81740	75
Curled and Crested, Mixed81900	10

DWARF DOUBLE. More compact and of neater habit than the tall varieties. 15 in.

	Pkt.
Bright Scarlet. 1/4 oz. 40c81940	10
Crimson. 1/4 oz. 40c81950	10
Salmon. 1/4 oz. 40c81970	10
Flesh-pink. 1/4 oz. 40c	10
White "Snowball." 1/4 oz. 40c81980	10
Golden Yellow. 1/4 oz. 40c81990	10
Mixed. 1/4 oz. 25c82020	10
Mixed Pompon82090	10
Haageana, Double Mixed. 11/2 ft82110	15

ORNAMENTAL GRASSES

The Ornamental Grasses are very attractive to use in mixed flower-beds or borders, and for grouping by themselves give fine effects. Many of them, if cut before they are entirely ripe, will be found very useful, when dried, in the formation of winter bouquets, in connection with the "Everlastings."

*ARUNDO Donax (Great Reed). hP. Well	Pkt.
adapted for large clumps; stately and ornamental. 10 ft	10
foliis variegatis. Green leaves, striped with white	10
COIX Lacrymae (Job's Tears). hA. Seed resembles a tear-drop; fine for massing. 2 to 3 ft	IO
†*ERIANTHUS Ravennae (Plume Grass). hP. Very stately, fine, silvery plumes, splendid in lawn groups. Resembles closely the Pampas Grass. 6 to 8 ft83010	10
*EULALIA. hP. Among the most beautiful the tall-growing Grasses. 4 to 6 ft.	of
japonica. Long, dark green leaves; fine for groups83030	10

- Pkt. *Eulalia japonica zerbina (Zebra Grass). The dark green leaves are barred with creamy white; variegations run across foliage. 83040 to
- *GYNERIUM (Pampas Grass). hhP. Noblest of the tall-growing, ornamental Grasses. Bears magnificent plumes; needs protection in winter. 4 to 6 ft.
 - argenteum. Silvery white plumes..83160 10 roseum. Rose-colored plumes. 83170 to

JOB'S TEARS. See Coix Lacrymæ.

- ZEA japonica, striped, Improved.....83560 japonica gigantea quadricolor..83570 10
 - Collection of 10 varieties of Ornamental Grasses83590

EVERLASTING FLOWERS

These bring cheer to the home during the winter months when flowers are scarce. Cut before fully expanded, bunch and hang in warm, dark, dry, airy place. They will dry thoroughly in 10 days. Full descriptions of the following will be found in the body of the catalog.

ACROCLINIUM.	
	Pkt.
roseum. Rose55430	10
" Mixed55470	10
" Double Rose55490	10
" Double Mixed55530	10
HELICHRYSUM (Eternal Flowers).	
monstrosum, Double Large-flowered—	
" Double Mixed66340	10
" Dwarf Double Mixed.66350	10
" Silver Globe66332	10
" Crimson	10
" · Golden Globe66336	10
" Fire Ball Red66338	10
GOMPHRENA (Globe Amaranth).	
globosa rubra. Purplish red. ¼ oz. 30c.	
65750	10
" alba. White. 1/4 oz. 30c65760	IO
" carnea. Flesh-pink. 1/4 oz. 30c.	
65770	10

RHODANTH	E	
	- ·	Pkt.
maculata.	Rose, with dark center 76570	10
"	alba. Pure white76580	10
"	Mixed76590	10
Manglesii.	Rose; very fine76600	10
STATICE (S	Sea Lavender).	

sinuata.	hA.	Blue; v	ery	fine	78	640	IO
"	candi	dissima	. h	A.	White;	fine	
	for	edging	;		78	650	10

XERANTHEMUM. One of the oldest and prettiest of the Everlasting flowers, and in winter bouquets retain their color and form for years. 11/2 to 2 ft. Pkt.

Per

CALLAS

ELLIOTTIANA. Yellow-spotted-leaved. Large, beautiful yellow. Dark foliage. Prettily spotted	Each \$0.50	
LARGE WHITE TRUMPET CALLA. The best known and popular variety	.30	3.50

CALADIUM (Elephant's Ear)

Probably the most effective foliage plant we have. For planting around base of porches and in beds it cannot be excelled.

Large Bulbs	.25	2.50
Extra Large Bulbs	.40	4.00

TUBEROSES

Per Each doz. Per 100

One of the most fragrant of
the summer-flowering bulbs.
May be started in hotbeds or
pots for early flowering, or
in the open ground after
May 1.

EXCELSIOR DOUBLE PEARL. \$0.12 \$1.00 \$6.25



Lily of the Valley



Callas

HYACINTHUS CANDICANS. CAPE HYACINTH

	Each	doz.	100
A snow-white summer-flowering			
hyacinth growing 3 to 5 feet			
in height, gracefully sur-			
mounted with twenty to thirty			
pure white, bell-shaped flow-			
ers	.15	1.25	8.00

TRITOMA

RED HOT POKER PLANT.

.25 2.50 20.00

Per

Per

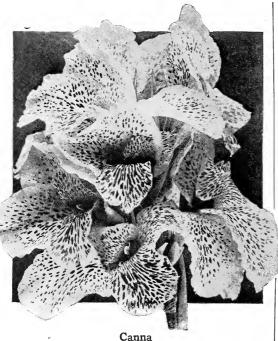
LILY OF THE VALLEY

	Each	Per doz.	Per 100
Extra Strong Clumps for outside planting	\$0.50	\$5.50	\$45.00
Single Plants (Pine)	T		8 00



CANNAS

Not less than 5 of a kind at 10 rate, 25 at 100 rate.



Cannas do well in almost any kind of soil, but they well repay liberal treatment. For the best results they should be planted in good loam that

well-rotted stable manure or Bone Meal. The beds should be spaded 2 feet deep or more, and the soil well pulverized. Water should be applied abundantly at all times, but good drainage is essential.

has been well mixed with an abundant supply of

Cannas are most effective when planted in masses, either alone or in combination with Salvia (scarlet sage), and bordered with Coleus or other dwarf-growing bedding plants. They are also frequently used with some of the tall-growing ornamental grasses, with which striking combinations can often be secured. They do best in sunny situations, and should be set out about 2 feet apart each way.

All of the following are Dormant Roots

GREEN-FOLIAGED CANNAS

Pink Shades

Per Each doz.

CITY OF PORTLAND. Height, 4 ft. Beautiful deep pink; strong grower and freebloomer ...

\$0.30 \$2.50 \$20.00

VENUS. Height, 4 ft. One of the prettiest cannas in existence. Flowers gay rosy pink, with well-defined border of creamy yellow..... \$0.20 \$2.00 \$15.00

Per Each doz.

Red Shades

LOUISIANA. Height, 6 ft. A bright crimson scarlet of the Orchid-flowering type, with large spikes of bloom. Very showy in beds as a center for lower growers.....

.20 2.00 15.00

WINTZER'S COLOSSAL. Height, 5 ft. Largest flowers of all cannas, producing im-mense bright scarlet flowers often 8 inches in diameter. Strong grower and abundant bloomer

.25 2.25 18.00

Yellow Shades

YELLOW KING HUMBERT. Height, 4½ ft. Flowers yel-

low with orange spots. As this is a sport of the Bronzeleaved King Humbert, it sometimes partly reverts to that type, resulting in very pleasing foliage effects.....

.20 2.00 15.00

RICHARD WALLACE. Height, 4 ft. Pure canary yellow. One of the very best bedders. Graceful in habit and in

bloom

.30 2.50 20.00

White Shades

EUREKA. The best white. Flowers freely entire season. Foliage bright glossy green...

.30 2.50 20.00

BRONZE-FOLIAGED CANNAS

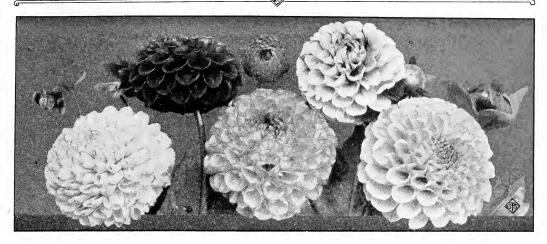
KING HUMBERT. Height, 4 ft. The most popular of all. Bears gigantic trusses of orange scarlet flowers streaked with crimson. A massive and stately grower. By far the best bronze.....

.20 2.00 15.00

WYOMING. Height, Fine for center of beds. Massive orange flowers.....

.20 2.00 I5.00

PRICES ON CANNAS INCLUDE DELIVERY ANYWHERE IN THE U.S.



DAHLIAS

FREE DELIVERY ANYWHERE IN THE UNITED STATES

HOW TO GROW DAHLIAS

First, do not plant too early, never before May 1 and much later if possible all the way up to July 15 in the vicinity of New York, and up to August 1 further south. In planting lay the tuber on its side about 6 inches from the surface.

Give the plants plenty of room, placing them 4 feet apart each way.

Do not fertilize too heavily. It encourages wood growth at the expense of blooms. A little well-rotted stable manure worked into the soil a month before planting is sufficient and a light feeding of Thorburn's Complete Manure when buds are developing.

A light soil is to be preferred to a heavy one. If plants grow too luxuriantly and produce few blooms, cut them back within I foot from the ground.

Stake the plants so they will not be blown down.

Dahlia blooms will keep longer if they are cut early in the morning (this applies to all flowers) and the stems immediately plunged into warm water and left until water cools, after which place in cold water to which a little salt has been added.

CACTUS TYPE	Fach	Per doz.	SUCCESS. Clear yellow with long	Each	Per doz.
LAWINE. Large white; lightly suffused with pink; long stems. A great favorite both for garden and cutting		\$2.50	petals. Early and continuous bloomer. Ideal for garden culture	\$0.30	\$2.50
KALIF. Gigantic flower. Rich scarlet; stems very long and stiff. One of the best for cutting. Very beautiful by lamp light	.50	5.00	with gold. Very large flower; strong grower; stems long and graceful. J. B. BRIANT. Very large. Fine	.30	2.50
GOLDEN WEST. Rich golden, bronze-yellow with scarlet shad-			for exhibition; long soft yellow petals	.30	3.00
ing at base of petals. Flower 6 to 8 inches in diameter. A grand variety	.50	5.00	DECORATIVE TY	PE	
KRIEMHILDE. Deep cerise pink tinting to light pink at center. The cut blooms keep a long time.	.30	2.50	D. M. MOORE. Very dark ma- roon. Seen from a distance, it appears almost black. One of the finest Dahlias grown; enor-		
MARJORIE CASTLETON. Considered by many the best pink.			mous flowers	.30	2.50
Wondrously soft rosy pink tint- ing to light pink at center	.30	2.50	JACK ROSE. Brilliant crimson. A beautiful flower. A great favorite	.30	2.50
SEQUOIA. Large bronze fine form; long stems; strong grower	.30	2.50	LYNDHURST. Bright vermilion. The best red for cutting; con-		
STORMER. Deep rich cardinal red; perfect form	.30	2.50	tinuous bloomer; long, strong stems	.30	2.50

DAHLIAS—Continued

MINNIE McCULLOUGH. In a class by itself; the combination of red and yellow is similar to	Each	Per doz.	MME. FURTADO. White30 2.50 MRS. THOS. SHARP. Exquisitely beautiful in color and habit;
that seen on leaves in autumn. Under lamp light, its beauty is greatly enhanced PROGRESS. Large; mauve-striped	\$0.30	\$2.50	rich golden orange; loose, but regular form; dwarf in habit; a heavy bloomer; fine for cutting30 2.50
and pencilled crimson	.30	2.50	CENTURY TYPE
SYLVIA. Deep pink tinting to light pink at center	.30	2.50	Broad petalled, single-flowering types. We list
JUMBO. Deep red; shaded ma-	.30	2.50	the one best variety of each color. Each Per doz. ECKFORD CENTURY. Immense
ALBERT MANDA. Very large; white, suffused primose and yellow	.30	2.50	pure white spotted pink; pen- cilled crimson; long, stiff stems. \$0.30 \$2.50 EVELYN CENTURY. Very bright
SHOW TYPE			white; outer half of petals a bright violet cerise
A. D. LIVONI. The best pink Show. No garden should be without it; quilled petals; per-			PINK CENTURY. Clear, soft pink shading to deep pink; long, stiff stems
fect formQUEEN VICTORIA. Rich golden	.30	2.50	RED CENTURY. A free and con- tinuous bloomer; fine red; ex-
yellow	.30	2.50	cellent for cutting
shape; heavy bloomer; long stem; white with pink center CAROL. Small; clear pink	.30 .30	2.50 2.50	yellow of great size; perfect form
DREER'S WHITE. Very large;	.50	2.50	POM POM TYPE
pure white; quilled petals; dwarf	.30	2.50	Small ball-like flowers of dwarf branching habit;
FLORA NOVA. Crimson; shaded plum; dwarf	.30	2.50	proruse and continuous bloomers. Each Per doz. KLEIN DOMITEA. Bright golden
JOHN THORPE. Large rose-pink;			terra-cotta
very fine form MARY PICKFORD. Large soft	.30	2.50	ELFIN. This dainty little Dahlia is of a light primrose yellow30 2.50
primrose edged with rose; free bloomer and strong grower	.30	2.50	LITTLE HERMAN. Cardinal red shading to maroon; tipped white30 2.50

SPECIAL OFFER

We will deliver free one each of twenty-five of the above Dahlias, our selection, but including Kalif and Golden West, for \$7.00. Such a collection as this will fill your garden to overflowing with beauty and joy.

THE AMERICAN NOBILITY

The BIG THREE in DAHLIADOM

We offer these three following giant Dahlias at 60c. each, or, \$1.50 for the collection delivered free anywhere in the United States.

OUR
SPECIAL
DAHLIA
COLLECTION

YELLOW KING—One of the largest of all Cactus Dahlias; of gigantic size, color light yellow tinting to cream at tips. The immense flowers are borne on long stiff, but slender stems. A strong grower and free and continuous bloomer.

RED DUKE—Very large Show Dahlia, rich dazzling red, splendid form with quilled petals.

QUEEN MARY—A grand *Decorative* large flower with full and high center of clear silvery cerise pink of enormous size produced on long stiff stems, vigorous upright branching grower.

SEE
COLORED
PLATE
OPPOSITE



JAPAN IRIS

(Iris Kaempferi)

Japan Iris follow the German in their period of bloom. They should be planted in good, well-drained soil.

GRANDEUR-Very large double white.

MYRTLE-Reddish maroon.

CERULEA-Double fine rich blue.

ROYAL-Double violet, pink center.

ANTONIA-Very double, delightful shade

of lavender.

EDNA-Double, beautiful pale blue.

DELIGHT—Double, white with red edges.

CATHERINE-Single, pure white.

HAPPY-Single, dark rich maroon.

FLORENCE-Single, deep violet, purple center.

All the above-named Varieties 40c. each; \$3.75 per dozen; \$30.00 per 100, delivered anywhere in the United States.

THORBURN'S IMPERIAL Japan Iris Mixed. Some years ago one of our customers received a special importation from Japan of an exceptional fine named collection of Iris. The flowers are wonderfully beautiful, both double and single, and very large. We offer them mixed at 40c. each; \$3.75 per dozen; \$30.00 per 100, delivered anywhere in the United States.

GERMAN IRIS

(Iris Germanica)

The French National Flower. These dainty flowers will grow and multiply in any dry soil and are equally at home in the formal garden, perennial border, shrubbery or as individual specimens. The following varieties have been selected with an idea of covering the entire range of colors. All 25c. each, \$2.50 per dozen, \$18.00 per 100; delivered free in the United States.

Admiral Togo. White, faintly tinged lavender; falls and standards lightly bordered purple. Extra-fine clear color.

Brooklyn. Standards lavender, yellow at base; falls pale blue; base veined brown on a white ground, edged yellow, splashed with dark blue; beautiful.

Flavescens. Self-color, canary-yellow.

Florentina alba. An excellent variety for cutting and an early bloomer. Flowers ivory-white tinged with lilac. The orris-root variety of commerce.

Florentina, Blue. Tall and vigorous; deep dark blue.

Gracchus. Standards clear yellow; falls marked

red, reticulated white. A very conspicuous variety.

Honorabilis. S. intense yellow; F. a beautiful bronze.

Mme. Chereau. Pure white, edged with azureblue; falls deep white with blue penciling.

Pallida dalmatica. New giant type; magnificent blossoms; color pure sky-blue.

Queen of May. This is a very satisfactory variety and well adapted everywhere. It is soft, rosy lilac, almost pink. A color rare among Irises.

Queen Victoria. S. yellow, sometimes tinted brown; F. crimson, striped and yellow. Yellow edge.

Roi des Belges. S. light shaded olive; F. blue, veined purple, edges fading lighter.

SIBERIAN IRIS

(Iris Siberica)

Admirably suited for mass planting, 2 to 3 feet tall; do well in wet ground and along streams; will hold their own against rank growing grass and soon become part of the flora of the country.

SIBERICA ALBA—White.
SIBERICA PURPUREA—Purple.

SIBERICA BLUE KING—Blue.
All 35c. each; \$3.50 per dozen; \$25.00 per 100.

FUNKIA VARIEGATA

(Variegated Day Lily)

This pretty, popular little perennial is much in demand as a border plant. Its bright yellow and white marginated leaves create a most pleasing effect. 20c. each; \$2.00 per dozen; \$15.00 per 100. Shipped prepaid anywhere in the United States.



Japan Iris

GLADIOLI

All extra-selected, large corms, no second size

Gladioli are very easily grown. Any good soil suits them. Plant the corms (as soon as all danger from frost is past) about 3 inches deep and 7 or 8 inches apart. By planting at intervals up to July 1, these fine flowers can be had in bloom all through the summer and fall, the later flowers being the best. About the end of October, when the leaves begin to wither, the corms should be taken up, dried in the open air, and then stored in a dry place, free from frost, for planting next spring.

YELLOW SHADES

NIAGARA. Wonderfully large flowers. Soft yellow shading	Each	Per doz.	
into bright lemon, slightly tipped with rose. Tall, strong, well-filled spikes SCHWABEN. Fine clear canary yellow. Red spot in	\$0.10	\$1.10	\$9.00
center. Medium height; flowers large SULPHUR KING. Deep, clear	.12	1.25	10.00
sulphur yellow. Considered by many the best yellow		2.00	15.00

sulphur yellow. Considered by many the best yellow	20	2 00	15.00
		2.00	13.00
PINK SHADE	72		
AMERICA. A beautiful flesh-			
pink, tinged with lavender.			
Vigorous, with large spread-			
ing blossoms on spikes 2 to 3			
feet long	.10	·75	6.00
GREICHEN ZANG. Rose-pink			
shading to scarlet. Flowers	- 0	2.00	15.00
large	.10	2.00	15.00
pink; creamy spot; bright red			
stripe. Very early bloomer	.10	.80	6.00
MRS. FRANCIS KING. Beau-			0.00
tiful pink, striped with ver-			
milion; spikes tall; flowers			
well placed	.10	.75	6.00
MRS. FRANK PENDLETON.			
Great massive flowers of			
vivid pink. Deep dark red			
splash at throat	.15	1.50	10.00
LE MARECHAL FOCH. One			
of the newer varieties. Del-			-9
icate pink; exceptionally fine.	.25	2.00	18.00
PANAMA. Really a deep pink; seen from a distance color			
appears rose		1.25	9.00
* *		1.23	9.00
DED CITADE	~		

RED SHADES

beautiful crimson scarlet, with white splash on lower			
petals	.15	1.50	12.00
WAR. One of the tallest, larg-			
est, finest Gladioli. Oxblood-			
red shading almost to black;			
immense flowers	.15	1.50	12.00

red. Exceptionally fine..... .15 1.50 10.00 WHITE SHADES

GLORY	OF	HOLLAND.	White

MRS. WATT. American Beauty

PRINCEPS. Of medium height:

tinted with rose		.15	1.50	10.00
------------------	--	-----	------	-------

PEACE. White interior petals Each doz. delicately feathered with lilac. Small rosy spot on lower

\$0.15 \$1.50 \$11.00 of growth as America, of which it is a seedling. White

BLUE SHADES

BARON HULOT (Lemoine). Without a doubt the finest blue Gladiolus. It is a rich, deep shade of violet blue....

with small blue spot on throat.

.15 1.50 12.00

.20 2.00 15.00

PRIMULINUS VARIETY

ALICE TIPLADY. Orange salmon deepening to golden at throat; flowers especially large; the best of its kind... .30 3.00 22.50

THORBURN'S EXTRA-FINE MIXED **HYBRIDS**

Containing only finest named sorts in a wide range of colors and markings. 60c. per doz; \$4.50 per 100; \$40.00 per 1000.



Gladioli, America

PRICES ON THIS PAGE INCLUDE DELIVERY ANYWHERE IN THE U. S.

FERTILIZERS

PRICES NET F.O.B. NEW YORK, SUBJECT TO CHANGE WITHOUT NOTICE

THORBURN'S COMPLETE MANURE

A balanced fertilizer containing the three principal plant foods, Ammonia (Nitrogen), Phosphoric
Acid and Potash. An ideal plant food for the Vegetable and Flower Garden. If used for this pur-
pose, it should not be broadcasted, but placed in the hills, furrows or drills and mixed with the soil.
10 lbs\$0.75 50 lbs\$2.50 1000 lbs\$35.00
25 lbs 1.50 100 lbs 4.00 Ton

THORBURN'S FERTILIZER FOR GRASSES (Lawn Fertilizer)

Especially prepared	l for lawns,	meadow la	ands, etc.
Broadcast about	1500 lbs. to	o the acre,	100 lbs.
to a lot 25x100 i	feet.		
ro lbs	\$0.75 100	bs	\$4.00
25 lbs	1.50 1000	bs	36.00
so lbs			65.00

Ground Bone

Pure Ground Bone Meal No. 1. Finely	pulver-
ized: excellent for rose-culture. It dec	composes
very rapidly, and is more quickly effect	ive than
the coarser grades. It is excellent for	mixing
with the soil for potting.	
the Cross I roo lbs	\$6.00

50				, ,
50	lbs	3.50	Ton	90.00
25	lbs	2.00	1000	lbs50.00
10	lbs	00.1	100	lbs\$6.00

Ground I	Bone I	No. 2	2.]	Rathe	r coai	ser	than	the
above;	for top	-dres	ssing	for l	awns,	and	for	gar-
den and	d field			100	lhs.			M. 50

10 lbs\$0.75	100 lbs\$4.50
25 lbs 1.50	1000 lbs38.00
50 lbs 2.50	Ton65.00

Ground Bone in Cartons.	Convenient	for	small
users and for house plan	ts.		
2-lb. Carton, 25c.; Prepai	d, 40c.		

2 10. Curton, 2 joi,			
Coarse Ground Bone.	Especially	suited	to grapes
and all other vines	s, asparagus	beds,	and any
other crop that red	quires a slo	w but	constant
f Jim m			

fee	ding.			
10	lbs\$1.00	100	lbs	\$6.00
25	lbs 2.00	1000	lbs	50.00
50	lbs 3.50	Ton		90.00

Hydrated Agricultural Lime

For vegetable and flower	garden, also lawns. Use
1 lb. to 20 sq. ft.	
5 lbs\$0.30	100 lbs\$2.50
10 lbs50	500 lbs10.00
25 lbs 1.00	1000 lbs18.75
50 lbs 1.75	Ton30.00

Pulverized Limestone

300 108 0.00 ; 1011
SCOTCH SOOT. A fertilizer and fungicide
and an excellent preventative and remedy for
mildew, blight and spot. As a fertilizer i
promotes growth and heightens color of both
flower and foliage. Sold in original bags

by freight only. 100-lb. bag, \$7.00.

THORBURN'S CONCENTRATED PLANT FOOD
Especially prepared for pot plants and the flower
border Perfectly oderless; a safe and most

porder. Perfectly od		а	sare	and	most
satisfactory fertilizer.					
10 lbs\$0.85	100	lb:	s		.\$6.00
25 lbs 2.00	1000	lb	s		.45.00
50 lbs 3.50	Ton				.80.00
Cartone containing 2	the 20	٠.	Prer	hie	400

			,	F-	,
TANKAGE,					
strong	chemica	l fertilize	r used	by all	the lead-
		f roses,			

			lbs\$3.00 lbs5.75	
--	--	--	----------------------	--

Clay's Fertilizer

Imported. Excellent for greenhouse and pot plants. 28-lb. Bag.......\$4.00 | 56-lb. Bag......\$7.00

Pulverized Sheep Manure

A rich, pure, natural manure. Excellent as a top-
dressing for lawns. Its effect is immediate and
lasting. Apply at the rate of 1500 lbs. to the
acre. It makes a rich and safe liquid manure
-I lb. to 5 gallons of water.
to the \$0.65 100 lbs \$4.50

	lbs\$0.65		
	lbs 1.60		
50	lbs 2.50	Ton	63.00

HORSE MANURE—Carlots. Prices on request.

Humus

One of the very best top-dressings for lawns, putting greens, tennis courts, etc., or for renewing thin or impoverished top soil. I cubic yard of Humus will cover 144 square yards with a 14-inch covering.

74-inch covering.
50 lbs......\$1,20 | 1000 lbs.....\$13.00
100 lbs......25.00

OYAMA PLANT FOOD A WONDERFUL JAPANESE DISCOVERY



MAKES PLANTS THRIVE

By using OYAMA on house plants it will keep them in bloom all winter and as green and luxuriant as if grown outdoors in the summer. IT WILL MAKE YOUR FLOWER AND VEGETABLE GARDEN WONDERFULLY PRODUCTIVE and the envy of your neighbors.

It makes no difference how healthy or delicate your plants may be, OYAMA WILL BRING OUT NEW FLOWERS AND FOLIAGE and cause a marvelous transformation.

Contains no bone, fish scraps or manure.

PRICE

Garden Size, makes 32 gallons......\$1.25, 3 for \$3.00 House Plant Size, makes 6 gallons.....40c., 3 for \$1.00

FERTILIZERS—Continued

Mulford Cultures

See page 42. For legume crops. Always specify on your order what crop you desire to inoculate, a different culture being used for each

Small Size....\$0.35 | 1-Acre Size....\$1.50 1/4-Acre Size.... 75 | 5-Acre Size.... 5.00

STIM-(U)-PLANT

STIM-U-PLANT. Tablets are packed in three sizes: Small size, 25c., containing 30 tablets; medium size, 75c., containing 100 tablets; large size, \$3.50, containing 1000 tablets.

FERTILIZER MATERIALS

phosphoric acid.	ixteen per cent available 1000 lbs\$20.00 Ton35.00
MURIATE OF POTASH	•
10 lbs\$1.10	50 lbs\$2.75
25 lbs 1.60	100 lbs 5.25

NITRATE OF SODA.				
10 lbs\$1.25 25 lbs1.75	50	lbs\$3.00		
		105 5.25		
SULPHATE OF AMMONIA.				

25 lbs...... 2.50 loo lbs..... 7.00

50 lbs.....\$4.00

10 lbs.....\$1.15

POTTING MATERIALS

MOSS, SPHAGNUM. For filling orchid baskets, etc., and for mixing with potting soil to conserve moisture. In bales of about 30 lbs. 15c. per lb.

PEAT, ROTTED. Fine for mixing with soil for potted plants, such as azaleas, palms, etc. In sacks of about 100 lbs. \$4.00 per 100 lbs.

PEAT, ORCHID. For potting orchids, etc. In sacks of about 30 lbs. 10c. per lb.

POWDERED CHARCOAL. For mixing with soil for pot plants and vines. Powdered. Fine, medium, and coarse. Any grade per bag of-

INSECTICIDES

ANT-DESTROYER. Will positively destroy ants.
¹ / ₄ -lb. tins\$0.20 1-lb. tins\$0.70
$\frac{1}{2}$ -lb. tins 2.75
APHINE. Has no equal for the destruction of
green, black or white fly, thrips, red spider,
mealy bug, etc. Use one part to 40 of water.
Does not injure the most tender plants.
¼ pt\$0.25 1 pt\$0.65 ½ pt40 1 qt1.00
1 gal 3.00
_
ARSENATE OF LEAD, PASTE. Adheres well to
foliage and does not readily wash off. It remains well suspended in solution, insuring even
distribution. It is white, and shows just where it
has been applied. It does not injure tender
foliage.
I lb. \$0.45 25 lbs. \$6.50 5 lbs. 2.00 50 lbs. 12.00
5 lbs 2.00 50 lbs
pounds to 50 gallons of water. 1 lb. 65c.
BORDEAUX MIXTURE, or FUNGIROID. For all
fungous diseases.
Dry—
1-lb. can\$0.50 5 lbs\$2.00 50 lbs16.00
3
BORDEAUX PASTE.
1 lb\$0.40 5 lbs\$1.50
BORDEAUX ARSENATE LEAD, PASTE.
1 lb\$0.40 10 lbs\$3.00
I lb. \$0.40 Io lbs. \$3.00 5 lbs. 1.75 25 lbs. 6.50 50 lbs. 12.00

LOIDED
BLACK-LEAF 40. For spraying vegetables, fruits, and flowers to destroy sucking insects. 1-oz. bottle\$0.25 2-lb. tin\$3.25 ½-lb. tin 1.00 10-lb. can13.75
BOROWAX. For painting trees to destroy and keep away borers.
1 qt\$0.50 1 gal\$1.75
CALCIUM ARSENATE. Will destroy all chewing insects. Ing insects. Sure death to potato bugs. Ing insects. \$0.45 5 lbs. \$2.25 lbs. Ing insects. \$3.50 lbs.
CUTWORM KILLER. Kills the worms; simple and easy to use; especially prepared for bringing young plants through the critical period. 1-lb. pkg\$0.35 5-lb. pkg\$1.50
DY-SECT. For destroying aphis, red spider, green fly,thrip, rose bugs, and other greenhouse and outdoor insects. Dilutes 1 part to 30 parts of water.
4-oz. bottle\$0,30 1 qt\$1.75 1 pt 1.00 ½ gal 3.25 1 gal
FISH OIL SOAP (Good's Caustic). Used extensively as a tree spray and as a summer remedy for San José Scale; it comes in a soft soap form and is easily dissolved, I pound to IO gallons water. I Ib

5 lbs..... 1.10 | 25 lbs..... 4.00 100 lbs.....15.00

INSECTICIDES—Continued

FUNGINE. For mildew, rust, and all other blights;
does not stain foliage. 1 pt\$0.65 1 qt\$1.00
ı gal
HELLEBORE. Apply dry or mix in water—r ounce to 3 gallons.
ı lb\$0.60 2 lbs\$1.10
HERBICIDE. The weed exterminator. Dilute
with from 20 to 40 parts of water. 1/2 gal\$1.00 5 gals\$8.00
i gal
For San José scale. One gallon makes 15 by
adding water. 1 qt\$0.50 5 gals\$4.00
r gal
LIME-SULPHUR. Dry, B. T. S. Make your own solution. One pound makes 4 gallons of spray.
ı lb\$0.40 5 lbs\$1.65 100 lbs
MELROSINE. Death to rose-bugs and all other
minor insects and diseases that affect the rose.
Used in any spray-pump. 1-pt. can\$1.00 ½-gal. can\$3.25
1-qt. can 1.75 1-gal. can 6.00
NICO-FUME, LIQUID. For fumigating or spraying. Effective against green fly, mealy bug, etc.
Does not stain or injure blooms, and leaves no
disagreeable odor. For spraying, one to two tea- spoonfuls to a gallon of water. Lamps, 6oc. each.
½ lb \$0.75 4 lbs \$8.00 r lb 2.25 8 lbs 15.00
NICO-FUME TOBACCO PAPER. For fumigat-
ing. Does not injure blooms. In tins.
24 sheets\$1.35 144 sheets\$5.50 288 sheets10.00
NIKOTEEN (Hall's). A highly concentrated nico-
tine solution for aphis and all insects that are destroyed by a contact poison.
½ pt\$1.00 ½ gal\$7.50 i pt2.00 i gal14.00
PARIS GREEN. Mix at rate of 1 pound to 200
gallons of water. Effective against all chewing
insects.
¹ / ₂ -lb. can40 5-lb. can 2.75
PYROX. The best and safest all-round spray for all insects, blights and fungus troubles. Kills
potato bugs. Sticks like paint.
I lb. \$0.45 25 lbs. \$7.50 5 lbs. 1.90 50 lbs. 11.75
10 lbs 3.25 100 lbs21.50
SCALECIDE. For San José scale. Petroleum oil that mixes at once with cold water and stays
mixed. No hot water necessary. Add I gallon
for every 15 to 20 gallons of water. 1 qt\$0.70 5 gals\$7.00 1 gal12.00
SLUG-SHOT, Hammond's. Excellent for destroying cabbage, turnip and beet flies, potato bugs,
currant worms, etc.
1 lb\$0.20 10 lbs\$1.25 5 lbs65 100 lbs12.00
10

STANDARD TREE BANDS. Protects trees and large shrubbery against all climbing worms, caterpillars, moths and insects. This is the most effective and practical method of banding trees yet devised—also the cheapest. Has the endorsement of foresters and fruit growers everywhere. 25-ft. roll\$1.75 100-ft. roll\$6.75
SULCO F. B. A contact insecticide and fungicide
of unusual merit, for spraying deciduous, fruit and ornamental trees and shrubs, rhododendrons, etc.; for San José scale, oyster shell and pine scale.
1 qt. \$0.60 10 gals. \$12.50 1 gal. 1.75 30 gals. 25.50 5 gals. 7.00 50 gals. 37.50
SOLOMIA. A powerful insecticide and fungicide for spraying. A scientific preparation for the destruction of insect pests of all kinds. Is non-poisonous and harmless to all but insect life. It can be sprayed on crops, fruit, flowers or grass without causing them the slightest harm. Full directions are printed on the tins. 1-pt. tin\$0.85 1-gal. tin\$4.50 1-qt. tin
SULPHUR, POWDERED. Valuable for protect-
ing against mildew on grapes, roses, etc. 1 lb\$0.15 10 lbs\$0.85 100 lbs
TOBACCO DUST-
Regular Kind. Highest grade for dusting. 1 lb. \$0.15 10 lbs. \$1.00 5 lbs. 60 100 lbs. 5.00
TOBACCO STEMS. For fumigating. In bales of about 75 pounds, at \$3.00 per 100 pounds.
TREE TANGLEFOOT. A sticky substance applied directly to the bark to protect trees against climbing insects pests. One application remains sticky, fully exposed to weather, three months. One pound will make a band 7 to 8 feet long and about 6 inches wide. 1-lb. tin\$0.50 10-lb. tin\$4.50 5-lb. tin 2.40 20-lb. tin \$5.50
VERMINE. A soil sterilizer and germicide for
worms, slugs, maggots, ants, etc. 1/4 pt\$0.25 1 pt\$0.65 1/2 pt40 1 qt100 1 gal3.00

WILSON'S O. K. PLANT SPRAY. A powerful and efficient insecti-



and efficient insecticide. It is used by the leading gardeners throughout the country with uniformly satisfactory results. It is unsurpassed for evergreens that are affected with red spider or other insects, and as a general summer spray is excellent.

1 9	ıt\$1.00	5	gals\$10.00)
ıg	al. in case 3.00	25	gals 50.00)

IMPLEMENTS AND GARDEN SUPPLIES

All Net Cash, Subject to Change in Prices.

POSTAGE, EXPRESS OR FREIGHT CHARGES TO BE PAID BY PURCHASER Garden Hose | Tying Materials, Etc. | Fibre Ware Vases.

Garden Hose	
Thorburn Standard—3/4 inch. X, 6-ply, 23c. per ft.	R
able, the very best grade,	s
25c. per ft. We supply the best grade of Hose obtainable. Prices in-	Si
clude all connections. In 25- or 50-ft. lengths. Hose Menders, Cooper's.	
Brass; will not rust or wear. No fastening required. 3/4 in. and 1/2 in. \$1.20 doz. Hose Washers.	T
½ in. and ¾ inlb. \$2.00	
Canes and Plant Supports	
Bamboo Canes. Genuine Chinese; strong; heavy.	
r 48 in. x ½ in. \$4.00 \$35.00 2 6 ft. x ¾ in. 6.50 60.00 3 8 ft. x ½ in. 6.00 55.00 Extra-heavy Bamboo Poles, 6½	
3 8 ft. x ½ in. 6.00 55.00	
Extra-heavy Bamboo Poles, 6½ ft. x 1¼ in. to 1½ in. diam.	_
\$30.00 per 100	T
Bamboo Canes, Japanese. Nat- ural. Thin and light.	
ural. Thin and light. 3 ft\$2.00 \$15.00	
4 ft	F
5 ft 3.00 25.00	
4 ft	
green.	
3 ft\$2.50 \$20.00	
4 ft 3.50 30.00 5 ft 4.50 40.00	,
Carnation Supports. Galvan-	
ized wire. 100	_
2 rings\$8.50 3 rings10.50	В
Dahlia Poles, Square. Extra	
heavy. 4 ft\$13.50	
5 ft	S
Dalita Dal Dana I Dalamat	
green. Very strong.	
4 ft\$2.00 \$15.00	P
5 ft	Ī
Plant Stakes. Round, painted	
green. 100	
2 ft\$4.00	
3 ft	
5 ft14.00	

Raffia, White. Long and broad.
Lb., 45c.; 5 lbs., \$2.00. Green. Lb., \$1.25; 5 lbs., \$7.00.
Sisal Cord. Extra-strong twine for baling, etc. 5-lb. balls, \$3.75
Silkaline. For stringing smilax,
etc. 2-oz. spools FFF Coarse 8 \$3.00
FF Medium 8 3.00
F Fine 8 3.00
Twine. Heavy and light parcel- ling. 45c. per ball. On reels, Italian Hemp. (About 10 lbs. to the reel.) Reel
to the reel.) Reel No. 12, Fine\$11.00
No. 12, Fine
No. 24, Medium 10.00 No. 36, Medium 10.00
No. 48, Heavy 9.75
No. 48, Heavy 9.75 No. 60, Heavy 9.50 Soft Jute. For vines, 3- and
5-ply. Ball, 40c. Tarred. Excellent for raspber-
ries, etc. Lb., 65c.
Tarred Marline. Heavy. 5-lb. ball, \$3.00
Flower Pots, Etc.
Flower Pots. Sizes, height and
width, inside. 100 1,000
width, inside. 100 1,000 3-in\$2.50 \$22.00 4-in4.00 35.00
width, inside. 100 1,000 3-in
width, inside. 100 1,000 3-in\$2.50 \$22.00 4-in4.00 35.00
width, inside. 100 1,000 3-in. \$2.50 \$22.00 4-in. 4.00 35.00 5-in. 6.50 60.00 6-in. 12.00 110.00 7-in. 18.00 170.00
width, inside. 100 1,000 3-in. \$2.50 \$22.00 4-in. 4.00 35.00 5-in. 6.50 60.00 6-in. 12.00 110.00 7-in. 18.00 170.00
width, inside. 100 1,000 3-in. \$2.50 \$22.00 4-in. 4.00 35.00 5-in. 6.50 60.00 6-in. 12.00 110.00 7-in. 18.00 170.00 8-in. \$22.00 12-in. \$95.00 9-in. 37.00 14-in. 150.00 10-in. 45.00
width, inside. 100 1,000 3-in. \$2.50 \$22.00 4-in. 4.00 35.00 5-in. 6.50 60.00 6-in. 12.00 110.00 7-in. 18.00 170.00 8-in. \$22.00 12-in. \$95.00 9-in. 37.00 14-in. 150.00 10-in. 45.00
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No.	00 21	in.	6½ in.	70.00	
No.	11 18	in.	6 in.	27.00	
No.	33 12	in.	4 in.	21.00	
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Labels, Etc.					

Labels, Wooden, Pot and Garden. Painted 100 1,000 4-in.....\$0.40 \$2.00 2.25 2.50 3.00 8-in..... 1.25 8.00 10-in..... 1.50 11.00 Copper Wired. 2.25 14.75 3.25 Simplex Weatherproof Garden Labels. No. 2, 4 x 3/4 in., \$4.00 per 100; No. 3, 5 x 1 in., \$6.00

per 100.

Simplex Garden Labels. No. 10, 23/4 x 11/2 in., 18 in. high, \$3.00 per doz.; No. 11, 3 x 2 in., 18 in. high, \$3.50 per doz.

Pencils, Indelible. For marking labels. 20c. each.

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-
Mats, Frost-Proof, Burlap.
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Each Doz.
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Melon Nets. Imported.
\$20.00 per 100
Sash, Hotbed. Cypress wood,
glazed and painted.
\$9.00 each; \$100.00 per dor.
Ball Lightning Celery Bleachers.
Used for bleaching celery with-
out banking up with earth or
boards. Great labor-saver.
100 1,000
6 x 12 in\$3.20 \$28.00
$6\frac{1}{2}$ x 13 in 3.70 32.50
7 x 14 in 4.10 37.00
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\$4.50 each; Tin, \$1.75 each.

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With Wood and Steel Wheels, Nicely Painted Green, Red or Natural Finish



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No. 4—26½ in. long, 18½ in. at wheel, 23 in. at handle	8.15
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10-in\$1.00 12-in\$1.25
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THIS LIST OF IMPLEMENTS AND GARDEN SUPPLIES IS VERY MUCH ABBREVIATED BUT WE CARRY A FULL LINE OF GARDEN REQUISITES INCLUDING

Rakes, Trowels, Weeders, Forks, Hoes, Shovels, Spades, Dibbles, Scythes, Mole Traps, Tubs, Rollers, Shears, Knives, Seeders, Watering Cans, Pruners, Pruning Saws, Syringes, Hand and Power Sprayers, Lawn Sprinklers, Garden Arbors, etc., etc.

ALL AT LOWEST PRICES IN THE TRADE

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This Single-wheel Hoe has a very full set of tools, several of them being of new design, such as have been found to work in the very best manner. It has 11-inch wheel, with broad face; is very light, strong and easy running. It has adjustable handles and quick-change frame.

Equipment: Two 6-inch Hoes, 3 Cultivator Teeth, 1 7-inch Rake, 1 4-inch Rake, 1 Large Garden Plow, 1 Leaf Guard. Weight, 27 lbs. Price, \$10.75.

"PLANET JR." NO. 17—SINGLE-WHEEL HOE

This Wheel Hoe is equipped with 2 6-inch Hoes, 3 Steel Cultivator Teeth, 1 Leaf Lifter. Weight, 22 lbs. Price, \$9.00.

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Efficient hill-dropping outfit. Complete.. \$21.00

"Planet Jr." No. 4—Seeder, Wheel Hoe,
Cultivator and Plow. Complete...... 21.50
No. 4D. As a seeder only....... 17.00

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Same as No. 12, but Hoe only	9.25
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Seeder and Single-wheel Hoe. Complete	
No. 31D. As a drill seeder only	11.50
"Planet Jr." No. 33—Single-wheel Hoe (without seeder)	7.00
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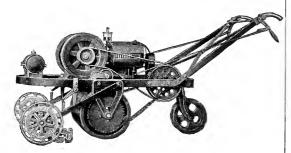
"PLANET JR." FIRE-FLY PLOW

A very useful tool in the small garden and chicken-runs; throws a furrow 4 to 6 inches wide and 1 to 3 inches deep. Price, \$4.75.

LAWN MOWERS

IDEAL POWER LAWN MOWERS

Ideal Model 30



Width of cut, 30 inches. Cuts 5 to 7 acres per day. A sturdy, compact, fool-proof outfit, suitable for medium and large areas of grass. Can be equipped with riding trailer. Does the work of 5 hand mowers.

Ideals are equipped with an efficient gasoline motor.

PRICE—With one cutting mower	\$385.00
Extra for riding trailer	20.00
Extra for one additional cutting	
unit	50.00
Extra for 22-in. putting green unit	55.00
Net Weight 610 lbs.; Shipping weight 800) lbs.

Ideal Junior

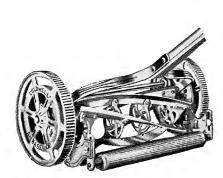


Width of cut, 22 inches. Cuts 3 to 5 acres per day. Especially designed for small and medium-sized lawns. Extremely simple—man or boy can operate. Can cut in close quarters, around flower-beds, shrubbery, etc.

Used largely by cemeteries. Rolls as it cuts. Special cutting unit furnished for putting greens.

Net weight 350 lbs.; Shipping weight 500 lbs.

COLDWELL LAWN MOWERS

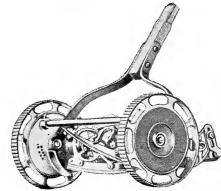


AMBASSADOR (Ball Bearing)

Blades-Five, crucible steel.

Gears—Enclosed and protected from dirt. A highgrade light weight 10-inch wheel, ball bearing mower.

PRICE	14-in	\$22.00
	16-in	23.50
	18-in	25,00



NEWPORT (Plain Bearing)

Blades-Four, crucible steel.

Bearings—Parallel, finest split bronze. Adjustable. The best machine of its kind. A durable and satisfactory mower with 9-inch wheel.

PRICE	14-in	\$15.75
	16-in	16.50
	r8-in	17.25

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